SHOUT
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IT

1/- 2/6

Vol. 20.

DIARY
OF
Hymenoptera, other insects, plants
seen or taken by
A.W. Stelfox.

Volume 20.

Sold by
KILMARTINS
NASSAU STREET
DUBLIN

From 20th August 1952
until

20th Aug [illegible]

[illegible]

Opius [illegible] ♀ [illegible] and bath off.

[illegible]

[illegible] ♀ [illegible] ent. 17 & 18 [illegible]

[illegible]

A. [illegible] 2 ♀ and bath off

[illegible]

[illegible]

P.T.O.

[illegible] Johnstown, Du.
[illegible] Johnstown
[illegible]
, of [illegible] W. (♂ ent. 28)
antennae [illegible]
[illegible] & petiolar area
[illegible] 3 ♂♂
& none ntd.
[illegible]ellatorum ♀ ent. 20
[illegible] both 27 which
[illegible] same species.
[illegible] ♂, ent. 19.

28.6.53 (2) Supplementary list.
16 mounted & labelled Oct 1953.

Larium, M.P. (afternoon 28.6.53).

Tremisiten (Rhitidoscleroma) transfuga
♂, ant. 26, ♀ ant. 27; postpetiole of both — especially ♂ — is absolutely smooth!!

Oteseiamps ? ♂ ant. 36.

Opius irregularis ♀, v.a., with tergite 2 acinulate; ant. bitten off.

O. stenops ♀, ant. 23.

O. sp ♂ ant. 29 — very very agree, but with ♀ of [illegible] [illegible] but antennae & tergite 2 [illegible] too pale to belong here.

Apsilota fuscicornis 2 ♀♀, ant. 17 & 18, & also a ♂ probably the species, ant. bitten off short, also a third ♀ probably same species, ant. tips missing.

A. sp ? a mounted ♀ [illegible], large head, rugulose tergite 1, semi [illegible] proportion, [illegible] [illegible], ant. 17, slender. Runs to littoralis in key owing to wide head, but wont fit [illegible].

A. fuscicornis Hol. a pair ♂, ant bitten off.

A. sp. close ? [illegible] ♂ than last, with curved, instead of straight, [illegible] [illegible], perhaps, with [illegible] [illegible] tergites 1 & 2 very [illegible] as in [illegible] ant. 18 very [illegible].

A. carinata Sp. n. Type! ♂ Like sporulata in head (& [illegible]) but [illegible] [illegible] small body black hind tibiae pale at base [illegible] [illegible], tarsi [illegible], tergite 1 long with keel in [illegible] [illegible] small [illegible], ant. 25. Like truncata but proportions not truncata, not [illegible] & very strongly reticulate — [illegible]. Put in coll.!

R.T.O.

Aspilota (Syrphidae) sp. ? 07 ent. 20.

Procto. Diapriid ? with curious abdomen. (♀ ?).

1/ 4/6 Vol. 20.

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20th August 1952 Glen S. of Kiltalown House, Jobstown, Du.
In afternoon drove with J. P. Brunker to bus terminus at Jobstown & walked up to [illegible] via the small glen W. of and draining N. slope of Knockannavea. Swept in several small spots & along [illegible] [illegible].
A nice sunny afternoon after a cool, [illegible] & very mixed month.

"Kiltalown Glen", Jobstown, Co. Du.

Phaeogenini 2 ♂♂ 3 ♀♀: only 2 ♂♂ mtd. = {Phaeogenes cf. rusticatus, W. (♂ ant. 28) = Ph. fulvitarsis [illegible] [illegible], nec Wesmael.
also the second ♂ appears to be the same species i.e. rusticatus W. though much smaller & with only 26-seg. antennae.}

Cryptini ♀: only one mtd.
= Hemiteles cf. very like [illegible], but terebra shorter & petiolar area strongly rugose all over, ♀, ant. 24.

Bassus annulatus ♂ Promethes cingulatus ♂ & pulchellus ♂ & ♀
Homocidus nigritarsus ♂ & H. cingulatus ♀ none mtd.
Stenomacrus cf. merula, small ♂, ant. 24. Cteniscus cf. umbellatarum ♀, ant. 30.
also 2 smaller ♂♂, ant. both 27 which seem to belong to same species.

Polyblastus cf. arcuatus ♂, ant. 28.
Thersilochini ♀ = Thersilochus triangularis ♀, ant. 20.
Campoplegini ♀: not mtd. Microleptes splendidulus ♂, ant. 19.
Bracon fuscitarsis: 2 ♂♂, ant. 30 & 34.
B. cf. fraudator: ♂ ant. 32.
[illegible] cf. minutus ♂, ant. 22.

20.8.52, cont.   Kiltalown Glen, Co. DU., cont.

Rogas sp. ♂: not mtd. Apanteles falcatus ♀: not mtd.
[illegible] fuscicornis ♂: not mtd. Pentapleura pumilio ♂: not mtd.
Aspilota ruficornis ♀: not mtd. Dacnusa elegantula ♂, ant. 32.
D. senilis ♀, ant. 32, slender & long   D. discolor ♂: not mtd.
D. areolaris, laevipectus, maculipes & confinis (?) 7
D. (G.) affinis ♂ & ♀   D. (G.) uliginosa ♂
Chaenusa conjungens ♂   Aphidius 2
Proctos 16
none mtd.

Chalcid 1

Dipteron = Sargus flavipes ♂.

Saw 2 Red Admirals & 1 Painted Lady

24th August 1952 mainly dull, warm, soft, with slight westerly breeze — like 2 previous days. Sunny.
In afternoon down to Deey Lock on Royal Canal, Kd., to get [illegible] — was very abundant [illegible] there [illegible] — there except a little along edge [illegible] hedge between the lock & the [illegible] plantation.
Saw many Wall Butterflies, & also Common Blues, Bombus sylvarum ♀ & many [illegible] of Bombus & Psithyrus spp. Also swept the following :—

24.8.52, cont.   Royal Canal, Kd., cont.

1 Sawfly = Cladius difformis ♀.
Phaeogenini 3 (♂, 2♀♀) & [illegible]: not mtd.
Cf. Aethecerus longulus ♂, ant. 26: seems to agree with description.
Colpognathus celerator ♀ ?: ant. 27.
Stilpnus gagates, dark ♀, ant. 17, with "spiral segmentation" of tergite 2!!
Acrodactyla degener ♀, nr. Polysphincta (Z.) varipes ♀ & ♂, ant. 23.
Homocidus pulchellus ♀ & ♂: not mtd. Exochus tibialis ♀, ant. 26.
Exochus prosopius ♀, ant. 35.
Bracon ♀ = B. rugizonatus ♀, ant. 31; also a ♂, small, ant. 28, probably same species.
Sigalphus caudatus ♀: not mtd. Blacus sp. ♂: not mtd.
Alysia manducator 3♂♂ at oak in hedge: one mtd. is very small; ant. 33.
Aspilota ♂ & ♀ = A. cf. tibialis ♀, ant. 18; ♂, ant. 22: very nice specimens.
Dacnusa elegantula ♀ with [illegible]; ant. 25.
D. maculipes ♂: not mtd.   D. (Gyrocampa) uliginosa ♂, by canal: not mtd.
Aphidius spp. 2: not mtd.
Proctos abundant on Glyceria by canal (21 in [illegible]): none mtd.

Chalcids 2: not mtd.
Cynipids 2 not mtd.
Beetles 2 = Lema septentrionis. &
Hemipteron 1 =

25th August 1952. On going down the back garden ([illegible] Road, [illegible], Dublin) at 11.0 AM this morning, along [illegible] wall, left hand, I finally [illegible] Ichneumon [illegible] which was sitting on a leaf of a potato plant. [illegible]
Several Pimpla instigator [illegible]

28th August 1952. Taken in back garden about 5 P.M. [illegible]
Hemiteles sp. ♀ in motor house! ant 28.
Bassus laetatorius ♀, ant 18 Homocidus bizguttatus ♂, ant. 24.
H. longiventris ♀ 2 ♂♂, ant. 21, both. & [illegible] ♀ small ♂, ant. 22.
Eulophus [illegible] 2 ♀♀ [illegible] if
smaller, ant. 43; larger ant. 45. [7 mtd, + labelled 30. 8 1961.]

30th August 1952. Although glass had fallen [illegible] for [illegible] hours [illegible], like 29th, was a very nice warm, [illegible] day with [illegible] hot sun. Saturday! [illegible] afternoon [illegible] [illegible] & I drove to Woodend, [illegible], W., & while they collected [illegible] I [illegible] in two areas, as follows —

1. = sides of lane forming W side of [illegible]
2. = edge of stream just below & just above bridge on main road, 100 yards W of station 1.

Taken at 1. (4.30 – 5.0 P.M.) [15 labelled Feb. 1955. the eleven remaining not labelled till 31. 3. 1961. A.W.S.]
Hemiteles sp. 1 ♂ 3 ♀♀ : none mtd.
Exolytus scrutator Hol. ♀, ant. 24

30. 8. 52, cont'. Woodend, Co. W., contd.
Taken at 1, cont.
Pimpla instigator, a very small ♀, ant. 22.
P. [illegible] ♀, ant. 20. [illegible] ♀ : not mtd.
[illegible] 3 : not mtd.
[illegible] sp. ♀, ant. 40
[illegible] 5 : 3 mtd. [Thersilochus marginatus [illegible]. ♀, ant. 27.
Th. ? sp. ? ♂ (ant. 31); ♀ (ant. 26), terebra longer than abdomen.
Adelognathus chrysopygus ♀, ant. 14.
Mesoleius filator 2 ♂♂, ant both 29.
[illegible] ♂ : not mtd.
Orthocentrus [illegible], very minute ♀, ant. 21. O. cf. longicornis ♂, ant. 26
O. [illegible] 2 ♂♂, ant 22 & 23.
O. cf. [illegible] Hol. ♂, ant 25.
[illegible] ♀, ant 23.
Aspilota nemoralis ♀, ant. 18. A. dentifemur ♂, ant. 21: very strong venation!
A. cf. [illegible] ♂, ant. 19.
A. ([illegible]) gracilicornis [illegible] ♂ (ant. 24), ♀ (ant. 21).
[illegible] & D. [illegible] 2
D. [illegible] ♂ [illegible] ♂, ant 33.
D. cf. [illegible] ♂, ant 25 D. gilvipes ♂, ant. 29.
D. ([illegible]) [illegible] ♂, ant 30. D. ([illegible]) [illegible] ♂ ant 27
[illegible] ♀ not mtd. [illegible] ♂ : not mtd.
Proctos. 12 : none mtd.
Chalcid 1 : not mtd. Psocidae [illegible]

30. 8. 52, cont. Woodend, Co. Wl., cont.
Taken at 2. (5.0 till 5.40 P.M.) [illegible] the remaining 42 labelled on 2-4-1961.]
Cryptinids 15; none mtd.
Barichneumon locutor Thunb. (= albicinctus) ♀, ant. 26.
Acrodactyla degener ♀: not mtd.
Alexeter [illegible] (= sectator) ♂ Clinocentrus sp. ant. 28
Polyblastus [illegible] ♀, ant. 29. Stenomacrus ♂, ant. 31.
[illegible] ♀, 4 ♂♂: not mtd.
Colastes braconius ♀: not mtd. Clinocentrus vestigator ♂, ant. 25.
Rogas cf. [illegible] ♀, ant. 22, pallid type, [illegible]!
R. testaceus, large ♀, ant. 23; [illegible]!
Sigalphus caudatus ♀ Perilitus cf. [illegible] ♂, ant. 17.
Meteorus micropterus ♀, ant. 23. M. fragilis ♀, ant. 31.
M. [illegible] ♂: not mtd. [illegible] ♂ ♀ not mtd.
Adelius [illegible] ♀ ([illegible]) not mtd.
Opius exsculptus (2 ♂♂ & ♀): none mtd. O. stenops? 2 ♂♂, ant. 23 & 22
O. [illegible] = O. exilis 2 ♀♀, ant. 24 & 25. O. cf. communis 1♂, 2♀♀, ant. 23, 23, 24.
O. pagana Hal.: ♀, ant. 20: very nice specimen
Pentapleura pumilio ♂: not mtd.
Aspilota ♀ = A. praecipua small ♀, ant. 25.
A. cf. fuscicornis 2 ♀♀, ant. 18 (both). A. near excavata ♀, ant. 19.
A. semirufa 2 ♂♂ ant. both 17. A. near planifrons? ♂, ant. 23.
A. sp.? ♀, ant. 16. A. sp. near [illegible]? ♂, ant. 21

30. 8. 52, cont. Woodend, Co. Wl., cont.
Taken at 2, cont.
Dacnusa [illegible] ([illegible], [illegible], [illegible]!) 22
D. [illegible] 4 D. [illegible] 1. None of these mounted!
D. [illegible] ♂, ant. 32. D. [illegible] ♂, ant. 36.
D. (Gyrocampa) affinis 3 (♂ & ♀): none mtd.
D. (G.) [illegible] (♂ & ♀) 17: 3 ♂♂ (ant. all 26), & 3 ♀♀ (ant. 23 & 24) mounted.
Chorebidea [illegible] ♀, ant. 20-21: similar to [illegible]!
Chaenusa conjungens very abundant along edge of stream; mostly small, but a few larger [illegible]: 1♂, 3 ♀♀ mtd.

[illegible] ♂, ant. 21. } [illegible] ♀: not mtd.
Aphidius spp. 9. }
[illegible] } none mtd.
Chalcids 7. }

31st August 1952 After a stormy, dry night & gale till daylight at 10 AM, a fine sunny day: warm, but strong SW wind.
In afternoon (Sunday) George, Davy & I drove to [illegible] Lock on Royal Canal to cut away off our favourite [illegible] apple tree in Mr. Mitchell's hedge between lock & his plantation; then swept in plantation for an hour & a half (3.0 till 4.30 PM) but [illegible]

31.8.52, cont. Royal Canal, Co. KD

Swept in Mr Mitchell's plantation – Collinstown House!

Cratichneumon ♂ : not nt'd. [31 labelled in Feb. 1957: the remainder (24) not labelled until April 1962!!! A.W.S.]

Barichneumon albicinctus ? ♂ not nt'd. Oronotus binotatus ♀, ant. 30,

Diadromus pumilio ♀. not nt'd.

Phaeogenes fulvitarsis complex 1♂ ♀♀ & 4–5 ♀♀ {only 2 nt'd. see below

P. tibiator Thunb. ♀, ant. 24 → of fulvitarsis complex, but sp.? ♀, ant. 24.

Cryptinae 27; but only 4 nt'd = [illegible] sp. black (small) wingless, ant. 21.

Hemiteles [illegible] ♀, ant. 23, post-petiole broad, terebra = abd.; small specimen.

Phygadeuonid ♀, smoky wings, ant. 22, stout, abd. smooth & red in centre =

Atractodes? red abd., ant. 24 =

Glypta sp.? tergites 2+3 long, terebra ca abdomen. ♀, ant. 33 [illegible] flavicoxis? ♂ not nt'd.

Perithous scutellator ♂, ant. 25.

P. [illegible] ♀, not nt'd. P. [illegible] 2♂♂ ♀ not nt'd.

Homotropus pectoratorius ♂, small, red, ant. 19.

H. pictus large ♀, ant. 21, red hind coxae!

Stenomacrus 2 = Acrotomus succinctus ♂, ant. 27

& Endiaborus pedatorius ♂, ant. 38.

Mesoleius 2 = Mesoleius sp. ♂ ant. 31.

& M. sp. ♂, ant 37.

Orthocentrus? – more likely, sort of [illegible] [illegible], ant. 18

Campoplex cf tibialis ♀, ant. 26; hind tarsi white!

Mesochorus 2 ♀♀ (3+1): none nt'd.

31.8.52, cont

Campoplex sp. 1 } none nt'd.
Campoplegidae 7 }

Rhimphoctona clavator ♀, ant 23. Spathius exarator ♀, ant 37.

Apanteles [illegible] sp.? ♀ [illegible]

Meteorus cf obfuscatus ♀, ant. 27, face much narrowed below, elongate!

Blacus tripudians ♀, ant 19. B. [illegible] ♂, ant 2.

Opius [illegible] 5♀♀, ant 22(2), 23(3). O. [illegible] ♀, ant 24.

O. [illegible] ♂, ant 39.

O. [illegible] ♀, ant 30 [illegible] ! Very rare!

Alloea contracta ♀ Alysia lucicola ♂, ant. 38.

Phaenocarpa ruficeps 3♂♂ & 2; both all red legs! none nt'd. [illegible]

Aspilota sp. near [illegible], ♀, [illegible] (ant 19 & 48).

A. fuscicornis ♀, ant. 17. A. cf [illegible] ♀, ant 21.

Orthostigma sp. ♀, ant. X

Dacnusa [illegible] & [illegible], 10: none nt'd.

D. [illegible] 3, small ♀♀: not nt'd.

D. [illegible] ♀, ant. 35.

D. [illegible] ♀, ant 39 + mainly testaceous!!!

D. (G.) affinis 1♀, very small: not nt'd.

Ephedrus plagiator ♀: not nt'd. [illegible] ♂, ant 25.

Aphidius sp. ♂, not nt'd.

31.8.52, cont.   Royal Canal, KE, cont.
Proctos 18: 3 Diapriids (!) only mtd.

Chalcids 19: mtd. labelled 7/55.
"Lacewing" 1 =
Diptera 1 = Sargus flavipes ♂

3rd Sept. 1952. Good morning after a windy night, but [illegible], fine & sunny after 2 PM. but [illegible] later & most vegetation very wet for the most part. Drove to the [illegible] Road when left car & walked up to Lynch Park, Co. DU. [illegible] sweeping in two places as follows: –
1 = edge of turnip field below [illegible] at Lynch Park 3.30 – 4.15 PM.
2 = off Ash, [illegible], Salix fragilis & other hedge vegetation. 4.15 – 5.0 PM.

Lynch Park, DU.
Taken at 1. (ca 1,000 ft alt.!)   [13 labelled [illegible] the remainder (18) labelled on 11.4.1962!]
Pezomachus [illegible] ♀: not mtd.
[illegible] [illegible], not mtd. [illegible] [illegible] ♂, not mtd.
Stenomacrus [illegible] ♀ not mtd. Orthocentrus [illegible] ♀ not mtd.

3.9.52, cont.   Lynch Park, DU., cont.
Taken at 1, cont.
[illegible] ♀, cont. 18 =
Bracon variator ♀ not mtd. Sigalphus caudatus ♀.
Apanteles cf. juniperatae ♀ A. pallipes ♀, damaged!
[illegible] [illegible] ♀, cont. 21 Opius [illegible] ♀: not mtd.
Opius [illegible] ♀ not mtd. O. [illegible] cont. 21, 1 mtd.
O. leptostigma 2 ♂♂, cont. 31 & 32, the former mtd. [illegible].
O. [illegible] Hal. ♀, cont. 35; very nice specimen.
Alysia [illegible] Hal. 1♂, 1♀, cont. 32 & 30. Aspilota cf. [illegible] ♀, cont. 16 mutilated!
Dacnusa pubescens ♂♂ & ♀♀ abundant, all [illegible] the [illegible] of [illegible], [illegible] & [illegible]; none mtd.
D. [illegible] 2♂♂, 2♀♀: cont. (3, 24, 25 (♂♂), 34, 35 (♀♀))
D. cf. [illegible], [illegible] ♂, cont. 21; [illegible]
D. [illegible] ♀, cont. 32.
Ephedrus plagiator ♀ – the only Aphidiid swept. not mtd
Proctos 4: none mtd.

Chalcids very abundant, but only 6 [illegible] sent to Graham.
Cynipids 1: not mtd.
Diptera 1 =
Coccinella 7-punctata 1 very large taken!

13

3.9.52, cont. Lynch Park, D.U., cont.

Taken at 2 (Hedge-cut, &c.) ca. 800 feet alt.

Cryptinae 10

[illegible] ♀

St[illegible] [illegible] 1♀ St. [illegible] 2♀♀

St. carbonariae Roman, small ♂, ant. 21 & larger ♂, ant. 23 {= melanostigma [illegible] & flavicoxa [illegible]

St. cf. superus?? ♀, ant. 23 & 2♂♂ ant. 20 (& 21?); nervus parallelus in ♀ certainly above middle of brachial cell but doubtfully so in ♂.

St. merula (? all this sp.!): 3♂♂, ant. 24, 24, 25; 3♀♀, ant. 22, 24, 26, [illegible] in ♀.

Orthocentrus cf. protuberans ♂, ant. 27, but head transverse

[illegible] notatus ♂, ant. 26.

Mesoleius? ♂ ant. 30 =

Homocidus [illegible] ♀.

Mesochorus [illegible] 1♀.

Campoplegidae 2

Thersilochinae 2♂♂ 1♀

Microleptes splendidulus ♂, ant. 19. [not included in my paper in E.M.M. 1951]

Adelognathus dorsalis ♀, ant. 14.

Rogas cf. circumscriptus 6♂♂.

R. [illegible] 1♂.

14

3.9.52 cont. Lynch Park, D.U., cont.

Taken at 2 cont.

Blacus humilis 3♂♀, ant 21.

Adelura apii 1♀, ant. 46.

[illegible] 5 }

Bracon sp. 1 }

Procto[illegible] 22 } [illegible]

Chalcid [illegible]

[illegible] with [illegible] [illegible]

10th Sept. 1952 A bright dry day, with strong chilly E–NE wind, after several very cold days & heavy rain or drizzle on 9th–7th. Considerable sun in afternoon, so that the hum of insects in the tree-tops was almost as loud as in midsummer. In afternoon drove to Manor Kilbride & collected by sweeping in two areas inside the bramble [illegible] below the three roads, as marked, as follows:—

1 = Under [illegible] [illegible], [illegible] in N. 3/3 of bramble & [illegible] SW corner of same.

2 = Southern edge of bramble along roadside & [illegible] swamp hollow filling the floor of the [illegible]

10 9 52, cont   Maam Kilbride, Co. Wicklow, cont.

Taken at 1.

Brat. Ichneumon [illegible] ♀, ant. 34.

Phaeogenes fulvitarsis? – not wtd. ♀ & another ♀ = Ph. planifrons ♀, ant. 28.

Eptatome [illegible] ♀ : not wtd.

Cryptinids 12, including Stibeutes gyrator 3♂♂, & 1♂ & 7♀♀ other, but only 5 wtd.

= Pezomachus sp. wingless ♂, ant. 21, ♂ sp. ♀, ant 19.

Atractodes or Exolytus [illegible], ♀, ant. 19. Gen. et sp. ♀, ant. 22

Gen. et sp. ♂, ant. 27.

Porizon (from all sp. with [illegible] [illegible] front femora & black & white hind tibiae!) ♂, ant. 20. Lampronota melancholica ♀, ant. 30

Ctenopelma umbellatarum {♂ ant. 27 / ♀ ant. 28. Tryphon [illegible] ♀

Stenomacrus (Mesoleptus) [illegible] ♀ ant. 22 [illegible] see [illegible] 1950.

Exochus erythronotus? ♀ reddish [illegible] [illegible] face!

Mesochorus sp. small sp., 1♂, 1♀ : ant ♂ 22 ?23, ♀ 26.

Aperileptus sp. [illegible] ♂ sp. not wtd.

Plectiscus sp. communis ♀ not wtd.

(Helictes?) [illegible] ♀ not wtd.

[illegible] 2 = Helictes cf. pilicornis ♂, ant. 29.

& Dicolus hirticornis ♀, ant. 35.

Sagaritis [illegible] ♀. [illegible] sp. of [illegible]

Meteorus cf. punctiventris ♀, ant 30 + longer than obfuscator from R. Bard, p. 10 ant,

Blacus ruficornis ♀. B. [illegible] group = cf. exilis ♀, minute, ant. 17.

Adelura [illegible], large ♀ : [illegible] see p. 17 for record! →

NB [illegible] [illegible] [illegible] in [illegible] at 2, none [illegible] [illegible]
[illegible] at [illegible]!

10 9 52 cont.
Taken at 1, cont.

Opius [illegible] 8 ♀♀ & others : 3 wtd = O. stenops, ant 22.

& O. communis ?, ♀, ant 24 : eyes much less narrow & less elongate than in stenops!

also a ♀, with dimple & small, smooth, sternauli, terebra ca. 1/4 abd. cf instabilis Wesm., ant. 24

Alloea contracta 2 ♀♀ (& brachyptera?) Phaenocarpa [illegible] ♂

Aspilota [illegible] 3 small ♀♀ & 12 others (badly [illegible] [illegible])

Asp. cf. pruna – also another ♂ (ant. 22) 1♂ (ant 23), 1♀ (ant) 19. A sp. ♀, ant. 21. [illegible]

A sp. small ♀, with dimple, ant. 17. A fuscicornis? ♀, ant. 17

A. (Synaldis) minute ♀, ant 16. A. crassifemur ♀, ant. 25. / A. cf. minutissima ♀, ant. 15. A. sp. ♀, rugose propodeum, with dimple, ant. 18.

Dacnusa [illegible] 11 ♀♀. D. [illegible]

D. [illegible] ♀, ant 28. D. [illegible] ♀, ant. 19.

D. melanocera 1♀. D. discolor ♀ ; ♂ with prominent [illegible] [illegible] longitude, wtd., ant. 26, only wtd.

D. cf. areolaris ♂, ant 30, but stigma very long & narrow & radius [illegible] [illegible] [illegible] in [illegible].

D. (R) confinis ♀, ant. 22   D tenuia ♂ ant. 30; "sex, ant 29, tip of abd. missing"

Ephedrus [illegible] 1♂ swept in dry place under beech!

Monoctonus caricis 1♂. the only Aphidiid taken.

Proctotrupids abundant – about 40-50 in sweeper : 3 only wtd =

Leptorhaptus monilicornis Kieff. ♀ (det. AWS 1962). Zygota microtoma K. ♀ (det. AWS 1962).

Chalcids abundant 14 in sweeper, 1 hymenopterid only wtd.

Cynipids 3 not wtd.

Bethylids 2 =

Bombus lucorum 1 fresh ♀ seen by Daisy

17

10.9.52, cont. Manor Kilbride, Wi., cont.

Taken at 2.

Phaeogenes [illegible] coxae [illegible] a diff. form? & 2 ♂♂: none mtd.

Ephialtes [illegible] ♀, not mtd. Herpestomus nasutus ♀, ant. 27.

♀ yellow-marked head, etc. = Cratichneumon locutor Thunb. ♀, ant. 24.

Cryptinid 8 ♀♀, Hemiteles, Phygadeuon,

none mtd.

Pimpla cf. spuria ♀; not mtd.

Bassus annulatus ♂, not mtd. Promethes pulchellus ♂, not mtd.

Stenomacrus ventralis? ♀. Polyblastus, [illegible], not mtd.

Oncophanes minutus Thoms. ♀, ant. 22. Rogas cf. circumscriptus ♂ not mtd.

Microplitis mediator Hal. ♂.

Perilitus: cf. aethiops ♂ ant. 27 but cf. [illegible] ♂. } Meteorus filator ♀ not mtd.

Blacus ruficornis & trivialis 1 ♂ of each neither mtd.

Ademon decrescens ant. 21 ♀, black: no doubt off [illegible],

Opius caesus 5 & bellus = O. longicornis mihi (nec Thomson!) ♀, ant. 27.

O. nitidulus (= nigricornis nobis?!) ♀, ant. 25. O. exilis ♀, ant. 26: dark tergite 2.

O. parvulus ♀, ant. 23. O. cf. stenops mihi, ♂ & ♀, ant. both 24.

Alloea contracta ♂. Pentapleura pumilio 2 ♀♀.

Alysia [illegible] ✓ 1 small ♀, ant. 29.

Adelura [illegible] ♂, not mtd. Aspilota dentifemur small ♀ – not mtd.

Aspilota fuscicornis ♀, not mtd. A. minutissima ♀, ant. 16. A. sp.: {♀ ant. 21: with [illegible]}

A. sp.: ♀, ant. 2? {with [illegible] longer [illegible]}, & also a minute ♂, ant. 20, sp.? {[illegible]}

A (Synaldis) cf. concolor ♀, ant. 17. A. (S.) sp. ? ♂, ant. 21, pale legs.

18

10.9.52, cont.

Taken at 2, cont.

none of these mounted!

Dacnusa areolaris (2♂♂), pubescens (6♂♂ 2♀♀), [illegible] (? 20)

D. longiradialis 1 ♂. D. elegantula. about 12, small ♀♀.

D. discolor 2 ♀♀. D. [illegible] 4. D. gilvipes 1 ♂

& 3 others = D. elegantula, small ♀, ant. 26; D. aphanta, small ♂, ant. 26;

& D. (?) melicenta ♀, ant. 26.

[illegible] of [illegible] 1 ♀, ant. 30.

Ephedrus validus ♀ not mtd. Aphidius sp. 3 ♂♂ ♀ none mtd.

Proctotrupid [illegible]: only one mounted!

= "Trichopria?" with 3 seg. "club" to antennae (same sp. also from 1.).

Chalcids [illegible]: sent to Graham.

Eupelmid ♀: not mtd.

Sawfly [illegible] cordata ♂ & another sp. } none kept.

Beetle Lathridius cf. [illegible]? }

Taken on window in kitchen of 14 [illegible] Rd., Harold's Cross, D.6.

on 10.9.52 Hemiteles ♀.

19/

13th Sept 1958. A fine dry day with cloud & but sun burst, but strong cool NE wind. [illegible].

In afternoon drove to Tinnode, on Blessington road to Wicklow, & walked up the old road crossing the [illegible] ridge to Kilbride. Collected by sweeping along sheltered N. side of road, in plantation along hillside N of road in line with top of Tinode estate, & in Glyceria-filled small pond on W. Kilbride) side of ridge & S. of road — the two latter localities are just over the Kildare border, but as I had only one marker with me the material taken all lumped together & labelled "Tinode, Co. Wl."

2.30 – 5.0 P.M. Viola Riviniana with quite a few flowers at 900-1000 feet by roadside.

Tinode, Co. Wl.

Melanichneumon [illegible] ♀, ant. 29 – mtd. on its back

[illegible] cf. fuscicornis? ♀, ant. 24. Ph. cf. infimus Wesm. = limatus Thom. (non W) } ♀, ant. 22. See Perkins p 110, 1959.

[illegible]

[illegible] sp. none mtd.

[illegible] 2 ♀♀, ant. both 34: one mtd. on its back!

[illegible] } All at pond! none mtd.

[illegible]

Stenomacrus [illegible] = St. cf. intermedius 2 ♂♂ (ants. 29 & 30), ♀ (ant. 28.)

& St. carbonarius Roman, ♀, ant. 21.

20.

[illegible] Tinode, Sept 13, cont.

[illegible]; not mtd.

[illegible] ♀, ant. 17.

= Earthquer! [illegible] pubicornis Thom. ♀, ant 32. [illegible] cf. [illegible] ♂.

[illegible] 2 ♀♀, ant both 18. [illegible] 1 ♀

Mesochorus infirmus. {[illegible] ♂ ant. 36, 37, 38, ♀ ant. 31, 32, 32, 32.

[illegible], O. [illegible] ♀ } = 1♂ mtd. ant. 23

& O. communis 2 ♀♀, ant. 24 & 25.

[illegible] ♂, ant. 40 {while certainly this species, it differs from the typical ♂ in [illegible]

[illegible] pumilio 1 ♀. [illegible]

[illegible] 1♂, 1♀. [illegible]

[illegible]

= A. cf. minutissimus 4 ♀♀, ant. 15, 16, 16 & 17: varying in size!

Dicrenus callipes Nix. ♀, ant. 27.

A [illegible] ♂ not mtd.

Dacnusa pubescens 1 ♀, ant. ? D. [illegible] not mtd. D. [illegible] (5) none mtd.

D. [illegible] ♀ ♀♀, none mtd. D. [illegible] none mtd. D. [illegible] 5 {1 ♀ mtd ant. 24

D. [illegible] 1 not mtd. D. (?) [illegible] ♀ [illegible] ant 23.

D. (?) affinis ♀, ant. 22.

[illegible] 5 (♂ & ♀), [illegible] small!

[illegible] cf. lymphata, ♀, ant 19, probably from pond {possibly a n. sp.! AWS, 1962.

[illegible] (?) & [illegible] 1♂, 3 ♀♀; none mtd.

[illegible] anctus, ♀, ant. 11-12. [illegible] not mtd.

Proctos. 18 }
Chalcids 10 } none mtd.
Cynipids 2 }

Small Copper, Common Blue & Wall Butterflies seen at ca. [illegible] feet!

18th Sept 1952. A fine cold day, all very fresh after a clear cold night, but mainly cloudy after [illegible]. Left home [illegible] about [illegible] & drove to Greystones, via Enniskerry, Rocky Valley, Delgany & Pretty Bush, thence to Greystones via Kilmacanogue — arriving [illegible] P.M.

Stopped for half an hour to sweep roadside just S. of Tinnehinch Bridge over Dargle, but few insects out, so drove on to Delgany & then took the Prettybush road & stopped in shelter in about a mile & had lunch. After lunch swept for over an hour along sheltered (N.) side of stubble oat field. At 2.30 drove on to call on Mr. John Palmer. Left Greystones about 4.20 & home via Glen of Downs & Enniskerry about 5.20 P.M.

Roadside S. of Tinnehinch, Co. Wi. 12 noon - 12.30.

Pimpla detritus complex {♀ ant. 23: the form with rather long terebra & ± all red hind tibiae. Schizopyga [illegible] ♀, ant. 24.

[illegible] sp.? (very near biguttatus?) ♀, ant. 24.

Stenomacrus [illegible] = St. carbonarius Roman, ant. both 21.

[illegible] [illegible] ♂ not ntd.

[illegible] sp. aut? n.sp. ♀, ant. 30.

D. ? ovalis group — ♀, ant. 30: hind tarsi very short, tarsi almost hairless!!

Proctotrupes 2 — 1 ntd = Exallonyx confusus Nixon "Larg." F.T. AWS.

18.9.52, cont. Stubble field near Prettybush, S. of Delgany, Co. Wi. 1.15 till 2.30 P.M.

Platylabus ? ♂ not ntd.

Cryptinid ♂. ntd. = Leptocryptus sp. ♂ ant. 21.

Atractodes sp. (? ♂), ant. 19.

Pimpla [illegible] ? small ♂ not ntd.

Homocidus [illegible] ♂ : not ntd. / Stenomacrus [illegible] caudatus {♂ ant. 26. ? var. no areolet}

Stenomacrus carbonarius Rn. 1♂ (ant. 22), 3♀♀, ant. 20, 20/21, & 20.

Mesochorus [illegible] ♂ not ntd. [illegible] ♂ not ntd.

[illegible] [illegible] 2♂♂ : not ntd.

Helictes 3♂♂ : not ntd.

[illegible] [illegible] ♂ probably [illegible] in [illegible] ? Not ntd.

Pezomachus ♂, 11♀♀ of gracilipes Thomson, ant. ♂ 17, ♀♀ 19(1), 20(10). {the ♂ possibly Thomson's [illegible] ?}

P. cf. [illegible] ♀, ant. 21. [illegible] small [illegible] ♀, ant. 20; {& also ♂ ? same species, ant. 21}

♂ of autumnalis ♀, ant. 18.

P. sp. nr. [illegible] ? [illegible] ♂, ant. 24

[illegible] of [illegible] 1♀ ant. 17 [illegible] } 13. [illegible] trivialis 3 — 1 very small! ant. 19 (all 3 ♂♂) & 17(♀) }

Eubadizon flavipes ♀, ant. 22.

Opius [illegible] 1♀ [illegible] = {O. nitidulator nigh. (micans auctorum), ant. 26. O. [illegible] ♂, ant. 22.

[illegible] [illegible] ♂, ant. 20. [illegible] tipulae, small ♀, ant. only 32.

Aspilota sp. small [illegible] : none ntd.

Dacnusa areolaris ? [illegible] ([illegible]) [illegible] 2 : not ntd.

Aphidius [illegible] 7 (♂♂ ♀) [illegible] small. Trioxys [illegible] ant. 19.

none ntd.

18.9.52, cont. – [illegible] (stubble), [illegible], cont.

[illegible] [illegible] ♀, ant 12.

Aph. [illegible] off. [illegible] [illegible] with ♂♂ ♀ species with [illegible] [illegible]: 5 std. =

Aph. cupidus 1♂ (ant 15), 1♀ (ant 13).

Aph. cf. eglanteriae Hal. 2♂♂ (ant. both 17), 1♀ (ant. 15).

[illegible] & [illegible]: [illegible] [illegible] [illegible] 19.1

3 small species also std. = Opazon [illegible] Hal. ♀.

Chalcids &: none std.

Cynipid 1 [illegible], [illegible], but not std.

19th Sept 1952 (Friday). Another cold, bright day, with NE wind, but more generally [illegible] the [illegible].

In afternoon drove to top of [illegible] Hill & collected up the [illegible] Fox Farm & collected on the old Killakee estate (=1) – now a National Park & the [illegible], [illegible] replanted by Forestry Dept, but many deciduous trees planted & [illegible] with conifers. Nevertheless a lot of the vegetation, including trees, goes back to the period of Killakee's magnificence in the [illegible] century.

Have now collected here previously! On way back to car swept edge of turnip field E of road (=2) for a few minutes, but cold & windy & not much taken.

19th Sept 1952 Killakee estate, Co. Dublin = station 1.

Melanichneumon [illegible] ♀ Cratichneumon ♀ & ♂

Barichneumon albicinctus ♂ & [illegible] cf. [illegible]

Cryptinae 17, including [illegible] [illegible] sp. [illegible] ♂, ant. 22.

& [illegible] sp. ♀, ant. 19: red & black group.

Pimpla elegans ♀ swept off Euphorbia [illegible]! Ant. 23.

Polyphlactus [illegible] ♀, ant. 29: red std, black femora, but not propinquus!

Aclastus semicaligatus ♂, ant. 47.

[illegible] [illegible] ♂ & ♀ [illegible] [illegible]

[illegible] tricolor, small ♂, ant. 22. H. [illegible] [illegible]??, ♂ ant 21.

[illegible] [illegible] Roman, 2♂♂ 1♀, ant. all 21.

[illegible] 1♀ not std. [illegible] 1♀, ant 18 = (4♀♀ 16(2) 17, & 18)

[illegible] ♂ not std. [illegible] 1 = Helictes pilicornis ♂, ant. 29.

Colastes braconius ♀ Sigalphus caudatus 2♀♀

Rogas tristis ♂ black, ant bitten off short.

R. cf. similis but. 4 ♀♀, ant. 37, 38, 39 & 40; legs entirely pale.

R. cf. circumscriptus ♂, ant 39, hind femora fuscous.

Perilitus 1 = P. crassifemur [illegible] ♀, ant. 25.

P. cf. tenuipes [illegible] 2♀♀, ant. 20 & 21.

Meteorus pilator: small ♀, ant 21; antennae seem rather short ??

Blacus humilis & tricolor ([illegible] not std) } [illegible] nervosus 2♀♀, ant 21 & 22.

Opius irregularis ♀ & 3 others: O. rugosus ♀, ant. 22,

& O. [illegible] ♂, ant. 25, & O. [illegible] ♂, ant. 26.

19.9.52 cont. – Killakee estate (=1), cont.

[illegible] [illegible] ♀, ant. 22, very good example} A. [illegible] ♂, not std.

[illegible] [illegible] ♂ ant. 25} (♀ 1 other, only 3 of which std.)

A. praecipuus, a small ♀, ant. 26. A. sp.? ♂ ant. 23: "near dimidiatus"

A. ♀ sp. near [illegible], but [illegible] [illegible] 23: [illegible].

A. (Synaldis) sp. [illegible] 2 ♀♀ not std.

Dacnusa [illegible] & [illegible] [illegible] [illegible] none std.

D. [illegible] ca 25, not std. D. cyclops 5, not std.

D. talaris ♀, ant 31. D. [illegible] ♀, ant. 36.

D. abdita 1 ♂, ant. 32; 2 ♀♀, ant 32 & 33. D. accolanion, ♀, ant 25.

D. [illegible] ♀, ant. 28, also a ♂, ant. 27.

D. (G.) affinis 1 ♀, not std. Chaenusa conjungens 1 ♀, not std.

Ephedrus plagiator & validus 1 each.

Ephedrus sp. 4

Praon ca 20

Chelonus 2

Synaldis 5

Bethylus fuscicornis & fulvicornis ♂ ✓

Bumble Bees seen B. muscorum 1 pale ♂, agrorum,
Psithyrus distinctus & campestris ♂♂.

? [illegible] [illegible] or [illegible] [illegible] [illegible], not [illegible]

19.9.52 cont. Killakee, Co. Du., cont.

Taken at 2 (Turnip field) (only 3 std.)

Stenomacrus carbonarius ♂ ant. 24. [illegible] sp. ♀ ant. 28.

[Proctotrupid 3 ♀♀ : see (1) 19.9.52]

[Drosophila [illegible] 2 ♀♀ ; see (1) 19.9.52] Opius [illegible]

Alysia manducator, large ♀; ant 31

Dacnusa pubescens & [illegible], 1 ♀ each

D. [illegible]

Ephedrus plagiator ♀

Praon 1

Beetle

Killakee, 19.9.52.
NB. It is obvious that there has been a mix up of specimens found in stations 1 & 2. Some taken at 2, being wrongly labelled as from 1, but if in reality it is so particulars of the above take should be correct. A.W.S. 1962.

21st Sept. 1952. Took a ♀ Dacnusa cyclops [illegible] on window of kitchen porch, 14 Claremont Rd., [illegible], Dublin. It may have come from garden or from some vegetables brought into the house from elsewhere.

26th Sept 1952. After the late NW gale & some very heavy showers quite a fine day with cool but sun, but wind still very strong & cold. Earlier in the week it had been very warm & with a [illegible] drizzle, following previous cold weather [illegible] turned cold once more after a night's rain.

26 9 52, cont. Phoenix Park, Du.

In afternoon drove over to Phoenix Park & left car near White Gate, Castleknock, & walked along boundary wall to foot of the Furry Glen & back via the pond. Swept herbage & [illegible], but mainly under trees & along much [illegible] just S of White Gate, where, contrary to expectation, small hymenoptera were very plentiful! Saw 2 Speckled Wood & 1 Small Tortoiseshell butterflies & Harry reported seeing a Bumble Bee. Wasps very plentiful at Ivy on boundary wall. The Ivy is late this year & only a very little yet in flower.

Phoenix Park, Du.

Hemiptera 2 [illegible] all bright green [3♀ mounted & these labelled 20.8.1962. A.W.S.]

Diptera 1♀ Stratiomyid = Sargus flavipes ♀.

Beetle Coccinella (black, with 2 whitish spots) =

Platylabus rufus ♀, wings [illegible] - ant. 37

Cryptinae 23: mostly Hemiteles spp. & [illegible] spp. or Pezomachus. 5 mounted = Hemiteles cf. [illegible] ♀, ant. 22

Hemiteles sp. ♀, ant. 20.

Pezomachus instabilis? wingless ♀? ant. 23

Pez. sp. ♀, [illegible] ant. 20.

Acanthocryptus nigritus ♂, ant. 26.

Lissonota bivittata? ♂, pale front coxae: not std.

Schizopyga sp.? 1♂

Polysphincta tuberosa? ♂, dark wings ant. 24

Acrodactyla degener ♀, ant. 21.

26 9 52, cont. Phoenix Park, Du., cont.

Homocidus [illegible] not std. H. nigricornis Thom. ♀, ant. 24.

Stenomacrus caudatus Thom. ♀, with abd. curled up at tip, ant. 26.

St. carbonarius Roman, ♂, ant. 27. St. near [illegible] ♀, small, ant. 24.

Plectiscid ♂ [illegible] not std. Lagarotis semicaligata ♂, ant. 48.

Megastylus sp. ♂, ant. 34.

Leptopygus [illegible]? ♂. Plectiscus sp. ♀

Ctenopelmatid 3♀♀ not kept & 1♂ = Cymodusa leucocera ♂, ant. 27.

Rogas [illegible] ♂. not std. Apanteles fulvipes group 3♀♀ not std.

[illegible] 5 [illegible] ♀♀, all out of [illegible] (2 mounted, ant. 32 & 29).

Eubadizon extensor ♀ off birch: not std. E. pallipes ♀, ant. 23.

Blacus [illegible] 2♀♀, ant. both 17. B. [illegible] ♀, ant. 17, =

Opius [illegible] 1♀, not std. [illegible] pale [illegible]: not std.

Alloea contracta 1♂, not std. [illegible] ♀ not std.

Alysia incongrua var. laevitecta 1♂, ant. 25. [illegible] 2♂♂: not std.

[illegible] 2♂♂, 2♀♀: not std.

Aspilota spp. 20, including A. ruficornis ♂ with 1st abscissa of radius missing in both wings.

A. dentifemur (1♀), A. fuscicornis (♂ & ♀), A. picticornis (♂ & ♀♀)

A. [illegible] (♀). Eight only mounted are as follows:—

A. ruficornis ♂, with fresh neuration, ant. 29. A. cf. [illegible] group, ♀, ant. 22.

A. cf. fuscicornis complex, 2♀♀, ant. 19 & 17. A. sp. ♀ with [illegible], ant. 18

A. cf. picticornis ♂ & ♀, ant. both 17. A. (? S, [illegible]) sp. ♀, ant. 17.

29

26.9.52, cont. [illegible] Park, DW, cont.

Dacnusa laevipes ♀♀ abundant, a few ♂♂. D. [illegible] (1♂ 2♀♀)

D. longiradialis 3 (♂♂ ♀). D. [illegible] 2. D. elegantula 5

& D. [illegible] (1♀), cat. 34 small example

D. sp. [illegible] ♀, cat. 34. D. (?) [illegible] ♀, cat. 35

([illegible] cat. [illegible] Aphidius sp. ♀.)

Proctos abundant 24 [illegible]

Chalcids 9

Cynipids 3.

None of these mounted.

27th Sept 1952 Saturday. A fair cold day, with some showers & much hot sun. In afternoon drove to [illegible] where left car & walked up the [illegible] of Lynch Park & back. [illegible] by sweeping, chiefly off ash, along roadside (=1) & in stony little field at c. 1000 feet (as on 3.9.52) (=2).

Lynch Park, Co DW.

Taken at 1 (roadside)

Cryptinae 10, Hemiteles, Pezomachus, Phygadeuon, ♂ & ♀. = Hemiteles (gracilis group), cat. 22.

Pezomachus sp. ♂♂ (cat 18-20), ♀ (cat 19).

[illegible] ♂ cat. 44. Homotropus pallipes ♂ [illegible]

27.9.52, cont. Lynch Park, DW, cont.

Taken at 1, cont.

Polyblastus [illegible] ♂♂, probably [illegible], cat. 24-25

P. [illegible] ♂, cat. 27.

Stenomacrus [illegible] ♂♂, cat. [illegible] St. sp. [illegible] [illegible] cat. [illegible]

— Type ♂ of sp. n. of [illegible] group. AWS 11.10.1952

St. [illegible] ♂, cat. [illegible], [illegible] black, [illegible] yellow,

St. sp. [illegible] ♂, cat. 26

St. flavicornis sp. n. 22 ♂♂ (3 mtd.), 1 ♀

Campoplegid ♀ Angitia [illegible] ♀ cat. 30.

{ Sp. nr. but wont fit confinis & [illegible]: Dark stigma, very curved radius, front & mid coxae of ♂ yellow-white, of ♀ testaceous; cat. ♂ 31-32, ♀ 21. This is sp. formerly placed as a [illegible] by me under "vafer Holmgr.", which it cannot be [illegible] to types. AWS 11.10.52.

Aperileptus ♀ not mtd. Helictes 2 ♂♂ not mtd.

[illegible] ♂ not mtd. Rhyssa? sp. [illegible] ♂ cat. 39.

[illegible] ♀, cat. 45. [illegible] group [illegible] cat. [illegible]

[illegible] ♂ not mtd. Blacus nitidulus ♀, cat. 20.

Blacus [illegible] group ♀, cat. 17. [illegible] ♂ cat. 16.

Opius [illegible] ♀, small, cat. 24.

Aspilota 6 (1♂ 5♀♀) none mtd.

(& none of the following mounted!)

Dacnusa [illegible] ♂ D. [illegible] 2♂. D. laevipes 1♂ 1♀

D. elegantula 21 D. cyclops 4 D. (?) affinis 2 ♀♀.

[illegible] ♂ Aphidius 2

Proctos 7

Chalcids 4

Cynipid 1

Diptera: Mycetophilid ♂ yellow orange [illegible]

[illegible]

27.9.52 contd. – Royal Park [illegible], contd.

Taken at [illegible] ([illegible] [illegible] fields, [illegible], etc.)

[illegible] of [illegible] 2 ♂♂ ent. 11 [illegible] ♀, ent. 19.

[illegible] [illegible] ♀, [illegible] ♂ [illegible] ♀, ent. 20

[illegible] [illegible] ♂♀ Stenomacrus [illegible] ent. 17

Stenomacrus [illegible] ♂♀ [illegible] ent. 22-2, taken at 1) ent. 21920

[illegible] 1 ♀ not ent.

Bassus [illegible] 2 ♀♀ not ent.

[illegible] 2 not ent.

29th Sept 1952. A bright sunny day with N.E. wind, some showers about, but [illegible] [illegible]. [illegible] to [illegible] the [illegible] for [illegible], [illegible] in afternoon to [illegible] of [illegible] [illegible], [illegible] [illegible] [illegible], [illegible] [illegible]. [illegible] not [illegible] this season. [illegible] [illegible] I walked back towards [illegible] [illegible] [illegible] mile up the Military Road. [illegible] [illegible], along side of road [illegible] [illegible] [illegible] [illegible] [illegible] ([illegible] Salix, [illegible], etc.) [illegible] road, [illegible], but did not [illegible] collect. [illegible] [illegible] large [illegible] [illegible] on stumps at [illegible] road where [illegible] [illegible], etc. taken on

27.9.52, contd. [illegible], Co. Wi.

[illegible] [illegible] [illegible] [illegible] [illegible] ♀ ent. 20.

[illegible] [illegible] [illegible] 27, [illegible] 36. [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] ♀, ent. 30

Stenomacrus [illegible] 4 ♂♂, 10 ♀♀ not entd. St. [illegible] ♀ ent. 26

St. cf. [illegible] ♂, ent. 26 St. [illegible] [illegible] ♀♀ not [illegible]

St. [illegible] [illegible] [illegible] [illegible] [illegible] ♀♂, ent. 19

Orthocentrus [illegible] ♀ not ent. O. [illegible] ♂ ent. 32.

[illegible] 1 ent. 27♂

[illegible] [illegible] ♀ ent. 43 Exetastes sp. [ent. 17 ♂]

[illegible] [illegible] ♀ ent. 26 [illegible] [illegible] [illegible]

[illegible] [illegible] ♂ ent. 37.

[illegible] [illegible] [illegible] ent. 32 [illegible] [illegible] ♀ ent. 34.

[illegible] [illegible] ♀ not ent.

[illegible] [illegible] ♀ [illegible] ent. 32

[illegible] of [illegible] ? male ♂ ent. 17 {[illegible] [illegible] [illegible] [illegible] ♀ [illegible]} G (Synaldis) ✗ ♂ ent. 23.
?similar to ♂ taken here on 8.9.1938!

[illegible] [illegible] [illegible]

[illegible] 16

[illegible]

[illegible] [illegible]

Bombus lucorum 6 ♀♀ [illegible] [illegible] [illegible] [illegible] [illegible]

Bombus [illegible] [illegible] [illegible] ♂ [illegible] [illegible] [illegible]

B. agrorum 1 ♂ seen on roadside.

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

30th Sept 1952. [illegible] wet night, rain continued until midday, but afternoon dry & with considerable sun, strong NE wind, & cold.
Drove in afternoon to Kerry Lock on Royal Canal & walked W along canal to Carton & back, the tow path was mostly overgrown in places. Saw many fish [illegible] [illegible] [illegible] in [illegible] & 2 [illegible] [illegible] (Bombus agrorum & [illegible] [illegible] or [illegible] [illegible] [illegible] [illegible]. Bird not collected. Saw Swallows on canal. Before going out in car took a [illegible] [illegible] & [illegible] [illegible] — possibly emerged from [illegible] brought in to kindle the fire.

1st – 3rd October 1952. Fine, dry & cold, [illegible] on the mornings of 2nd & 3rd it was calm, [illegible] sunny forenoons & afternoons [illegible] & misty fog in evening. Small Tortoiseshell butterfly in front garden on 2nd & 3rd, [illegible]. Small [illegible] on 2nd. Bombus agrorum [illegible] on 3rd, wasps in hundreds! On afternoon of 3rd took 2.20 bus to White Heath & walked up lane on W side of Kilnedegan, & back [illegible] to 25 bus from Tobreddan. Collected a few Hymenoptera with [illegible] in lane on way up but mostly dull & few insects out except wasps.

3.10.52, cont. Lane on W. side of Kilnedegan, Co. Dn.
Bombus [illegible] [illegible] 2 [illegible].
Wasps abundant at ivy, &c.
Platypalpus [illegible]; ♂, [illegible], small & dark!
Metachaeta sp. ♂, small [illegible] [illegible], [illegible] ivy.
Opius [illegible] ♀ [illegible] ivy.
Proctotrupes = [illegible] [illegible] [illegible] 6.10.52.

4th Oct 1952 George arrived from Belfast in his new '11.40' Austin car & after lunch took me via Bristia to Ballinascorney, where we left the car at upper quarry (±1,000ft) & walked up to the col between [illegible] mountain & Seehan ([illegible] of col [illegible]). Cloudy forenoon, but afternoon mainly cloudy, strong wind W–NW all day. Did not collect.

5th Oct 1952. Sunday. Brilliant sun all day, wind light westerly, cold, except in sun. After lunch George drove me to Glending, near Blessington, & I collected on the [illegible] [illegible] side for an hour & a half, by sweeping, [illegible] & underground. Small Hymenoptera occurred in almost incredible numbers in sheltered places.

35

5.10.52 cont. Glending, Co. Wi., cont.

Swept along roadside & inside wall at foot of plantation, chiefly off young oak bushes, oak trees & ground herbage – avoiding off conifers. [mounted & therefore tabulated not 1952]

[illegible] [illegible] [illegible] [illegible] ♀, [illegible]

[illegible] [illegible] only & [illegible] ♀♀. [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ♀, mt. 21. [illegible] ♀ mt. 20.

[illegible] [illegible] ♀ [illegible] [illegible]

[illegible] [illegible] mt. 17. [illegible] ♀♀ not mtd. [illegible]

[illegible] ♀ mt. 19. [illegible] [illegible] ♀, mt. 17

[illegible] [illegible] not mtd. [illegible] [illegible] ? [illegible]

[illegible] [illegible] [illegible] ♀♀ [illegible] 20

[illegible] [illegible] ♂ [illegible] mt. 12

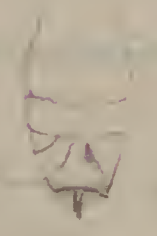
[illegible] [illegible] [illegible] ♀ {1♂, mt. 20, 1♀ mt. 26 [illegible] [illegible]

[illegible] not [illegible] {[illegible] mt. 21, 22 & 1♀ mt. 27 [illegible] [illegible]

[illegible] [illegible] ♀ mt. 21; also perhaps a ♂, mt. 22.

[illegible] [illegible] & ♀, mt. 21.

[illegible] [illegible] [illegible] not mtd.

[illegible] ♀, with [illegible] [illegible] [illegible] →  , mt. 24, ♀.

[illegible] 1 [illegible], [illegible] [illegible], mt. 16.

[illegible] [illegible] [illegible] mt. 24 [illegible] [illegible] [illegible]

[illegible] not mtd.

36

5.10.52 cont. Glending, Co. Wi., cont.

[illegible] 3 [illegible] 3 [illegible] [illegible], [illegible] large ♀. not mtd.

[illegible] ([illegible]) [illegible] ♀ — none mtd. b/f. [illegible] [illegible] 1950, [illegible] 17.9.1952.

[illegible] 1♂, 1♀ [illegible]? This only mtd. = b/f H. [illegible] [illegible] [illegible] not mtd.

[illegible] ♂, not mtd. [illegible] [illegible] ♀, mt. 21

Bracon scutellaris 1♂ [illegible] [illegible] [illegible] mt. 25.

[illegible] [illegible] [illegible] ♂ not mtd. [illegible] [illegible] 1♂ not mtd.

[illegible] basalis (C.)Th. ♀ [illegible], mt. 18; a dark specimen!

[illegible] [illegible] [illegible] [illegible] [illegible], not mtd.

[illegible] [illegible] 6 ♀♀ not mtd. [illegible] [illegible] [illegible]

B. [illegible] 1♂, 1♀, mt. 19 & 17 respectively.

[illegible] [illegible] [illegible] [illegible] (1♀ [illegible]),

[illegible] [illegible] 5♀♀ mounted, mt. all 17, [illegible]

[illegible] [illegible] not mtd.

[illegible] [illegible] ♀♀ not mtd. O. [illegible] ♀ mt. 22 [illegible].

O. longipennis, non Thomson! ♀ [illegible] mt. 17. [illegible] [illegible] [illegible] [illegible] [illegible]

O. procerus [illegible] 2♀♀, mt. 21.

[illegible] [illegible] 1♀, mt. 41. [illegible] [illegible] ♀♀ mt. 22/23

[illegible] [illegible] 1♀ not mtd, [illegible] 1 small, dark ♀, mt. 27.

Aspilota dentifemur ♀, mt. 20. A. [illegible] [illegible] ♀, mt. [illegible]

A. [illegible] ♀, mt. 18. A. tibialis ♀, mt. 19. A. nigricornis ♂, mt. 20.

A. minutissima 3♀♀, mt. 16, 16 & 17. A. [illegible] {? ♂♂, mt. 17 [illegible] (4♀♀, mt. all 16.

A. (Synaldis) [illegible] ♀ [illegible], [illegible] ♀, mt. 21, with long [illegible], [illegible] [illegible] [illegible], [illegible] large & [illegible] behind the eyes! [illegible] 3.12.1952. b/f ♀ [illegible] [illegible] 3.8.1951.

Bees seen [illegible] after 6th Sep — 16th Oct.

Bombus lucorum, workers ♀♀, 1 ♂ only seen, 1 worn male.
B. pratorum 3♀♀ — see below for ♂♂, ext. [illegible] old
B. terrestris ♀♀, not old, B. lapidarius ♀, B. [illegible] ♀♀, not old
B. hypnorum 4 ♀♀ not old, B. muscorum ♀ not old, B. [illegible] ♀, 1 not old.
B. terrestris ♀, Oct. 25. B. [illegible] 2 ♀♀, Oct. 25 & 26.
P. fuscata [illegible] ♂ Oct [illegible] a dark-legged var. of same sp. [illegible] Oct. 28
D. [illegible] ♂, Oct 28.
[illegible] not old ♀ [illegible]
[illegible], Oct. 23.
Vespa [illegible] 2nd [illegible] [illegible] Fertile.
[illegible] Aphids [illegible]
[illegible] 50, but no [illegible] Eggs!

Other Beetles 30

[illegible] 23

Diptera 6

Siphon. 1

8th Oct. 1958. A fine cold sunny day, NW wind. In afternoon walked from [illegible] to Rathfarnham via [illegible] & Templeogue bridge & [illegible] & picked up eggs. In Butterfield Avenue (formerly Butterfield Lane?) saw a ♀ Bombus terrestris at flowers of Salvia & [illegible] on opposite side of road. These last seen on 15th Nov 1957.

9th–11th Oct. Grey, cold E wind, but mostly sunny & sun quite warm. On 11th, which was the most sunny, a Small Tortoiseshell butterfly spent forenoon in front garden. In afternoon by R. Dodder along [illegible] saw many wasps (V. vulgaris ♂♂ & ♀♀) & a ♂ dragonfly (Sympetrum striolatum), but no bees.

14th Oct. A nice dry day with cool E wind [illegible]. In afternoon walked by Orwell Bridge, [illegible] & the Nurseries Walk to Rathfarnham & home by bus & found that all the area E. of the Nurseries Walk had been taken over by Dublin Corporation for a new housing estate & that a broad new road is being made parallel to & just N of the Lane & Nursery Walk, this will pass through "Fruit Grove". To make the new roads possible some of the [illegible] fruit plantation & Nursery garden & glass houses at the old Berwick House have been compulsorily acquired & some of the best land in Co. Dublin built on.

14.10.52, cont. When passing "Landscape" saw a Small White Butterfly, & later two specimens of Plusia gamma flying in the bright sunshine, though during night of 13th/14th there had been a very white ground frost. Everything in the garden white at 8 AM, & ice on the parlour [illegible] to roof. Wasps were everywhere!

15th Oct 1952. In afternoon walked from 54 bus by Willington House, Templeogue Bridge & Butterfield Av. to Rathfarnham & home by bus — Daisy, J. & Mr & Mrs Alan Mitchell. At the [illegible], [illegible] the [illegible] in a beautiful [illegible] in Butterfield Avenue at which [illegible] a ♀ Bombus terrestris on 8th Oct (p. 38 antea!) today saw no less than 5 ♀♀ on it, of which one was B. lucorum & three (& probably four) were B. terrestris. Previously near Willington Ho. I had seen [illegible] a ♀ of Bombus agrorum. Before lunch, while Alan Mitchell & I were cutting out some branches of the Rhamnus [illegible] tree in back garden he found on it a [illegible] variety of Coccinella variabilis with pale blotches on shoulders of the elytra, but these otherwise [illegible], [illegible] black with white lateral margins & black face with 2 white spots. This I mounted & gave to him later. There is no specimen like it only in Nat. Mus. collection & he destroyed it by accident!

5th Nov. 1952. Potentilla [illegible] out on roadside just W. of Templeogue Bridge. Wasps very abundant at Ivy blossom in spite of [illegible] frost [illegible].

16th Nov. 1952. After much dull weather with mist, rain & drizzle. Took 54 bus at 10.20 AM & walked via Greenhills, & Tymon Castle, to [illegible] House & home at 12.15 noon. Hazel by stream near Tymon Castle nearly out. A dull morning & [illegible] sun [illegible] after [illegible] rain. No wasps seen during walk.

23rd Nov. 1952 Sunday. A most lovely day! Entirely sunny — blue sky, a few small clouds on the hills & lying on the snow-covered summits above 2,000 feet, [illegible] quite [illegible], & a very gentle W. air. In shelter one could have sat & read quite comfortably in the sun. After a frosty night & much dull, cold, [illegible] weather for last fortnight. Went by 54 bus at 10.30 to [illegible] & walked via the Green Hills & Tymon Castle to Ballyboden, Templeogue Bridge & back to bus at Rathfarnham. At the highest point of the Greenhills [illegible], where the road runs between [illegible] & a deep sandpit, Daisy saw a [illegible] flying near the face of the sandpit [illegible] side of the road & [illegible] [illegible] a ♀ of Bombus terrestris & we watched it [illegible] the [illegible] face of the [illegible] [illegible] as if looking for a place to [illegible].

23.11.52, cont. It seemed rather disturbed & gave me the impression that it had been awakened by some accident from hibernation with the fairly mild [illegible]. In order to pass the Arbutus tree in Butterfield Avenue we walked back to Rathfarnham, but on reaching it we found the tree in shade & the place very cold & saw no insects. Along the roadside saw many of the wasps & in one spot just W. of the [illegible] saw several, & captured one [illegible] vulgaris.

Also found 5 ♀ flowers open on the early Hazel about 1/4 mile NW of Tymon castle, though no catkins [illegible].

3rd Dec 1952. A lovely sunny day with light E. breeze, glass very high, with frosty nights; much snow on hills above 2,000 ft.

Went, alone, by 2.15 bus to Firhouse to order turkey for Xmas at Mrs McGrane's (?) & got a dozen eggs (@ 6/6) from Mrs Purcell (opposite Knocklyon House), & walked back to 54 A bus at Fortfield Rd. Saw many Redwings in fields N. of [illegible] for the first time this winter, driven down by snow on hills, I suppose.

6th Dec 1952. Very high & steady glass for last few days; cold with night frost till 4th, on 5th milder with SW–SE. [illegible] & very heavy rain all afternoon & night. Almost hot on 6th, but E. breeze getting up at midday started a drop; very foggy (smoky) in afternoon & evening. No fall in glass!

6.12.52, cont. In afternoon took bus to Rathfarnham & walked via the Narrow Walk to Landscape, Dodder Park & home via Rathgar Avenue. Very mild – almost warm – windless, but no sign of wasps seen at the [illegible] supply of ivy blossom, though Honey Bees were at work there plentifully – Narrow Walk & [illegible] House – attending the flowers.

10th–25th Dec. 1952. Weather continued very unsettled, with severe gales about, and rain, some snow [illegible] South Dublin missed the worst – mainly cold, with two hot spells, the last of which a week before Xmas.

In spite of general low temperature since Sept. many plants showing signs of spring – [illegible] beginning to flower at [illegible], Erica mediterranea in back garden, 3 Snowdrops under dining room window on 24th & [illegible] & a [illegible] spectabile flowering shoots & some with [illegible] & Primroses well up, etc. Severe weather in England about 10th to 15th brought thousands of Redwings & other Turdidae into Ireland & snow on the [illegible] drove them down so that the fields S. of Dublin were full of them from 15th onwards. No wasps seen since 23rd Nov.

1953.

1st to 9th Jan 1953. Mainly cold & dull with some frosty nights, but suddenly turned mild on 8th & very mild on 9th. On 1st saw snowdrops out at the old mill W of Templogue Bridge & the first flowers on [illegible] Carrière's opening in back [illegible] hall door, 10 Clareville Rd. Our 3 Snowdrops kept back by frosty nights not until 8th 9th.

Cycled in by lane from Rathfarnham to the [illegible] Wells with one large bud ready to open on 6th — this site not likely to remain more than a few months owing to the making of a new road from Dundrum – Churchtown direction through Nut Grove (& past the site) to Rathfarnham.

Having passed hundreds of thousands of Redwings in all the grazing fields but only two Fieldfares recognised. Iris apiculata in front garden & some other plants showing signs of Spring & the early bud of Mediterranean Heath in back garden almost out.

9th–26th Jan 1953. Mainly mild & dull, not much rain, a few frosty nights & bright sunny days, mostly dry, so that by 25th River Dodder almost down to summer level, by which date clear signs of spring here & there in gardens & hedgerows.

January 1953, cont.

Yellow Crocus out in Macaulay's front garden, No 10, Clareville Road & quite a few well out in grass in garden in Orwell Park, Rathgar, on 26th. Winter Aconite out in Orwell Park as early as 15th & probably out some time & though the first out on 26th — not Iris stylosa! but species with flowers on short stalks & no leaves. Our Crocuses only just showing yellow noses on this date. On 20th removed one of the three remaining plants of Saxifraga [illegible] (from [illegible] July 1951) grown from bulbils 1951, which have remained same size for eighteen months, to pot & brought indoors as it was obviously determined not to thrive or even live in large pot in yard. Also with it brought in one seedling Anemone nobilis! of same size.

27th Jan 53. After a wild night with westerly gales & rain, leaves of Anemone appennina up in front garden & Iris apiculata in front border very nearly in flower. Arabis albida out in grass at pillar box in Kenilworth Park & the almond nearly already showing signs of opening.

29th Jan '53. Our first yellow Crocus in flower. Still mild.

30th Jan 53. Mild with strong SW wind & falling glass.

In afternoon walked from bus at Ballyboden up Whitechurch Road to Mount Venus & back to Rathfarnham via [illegible] & Ballyboden. [illegible] in full flower near Mt. Venus.

31st Jan 1953. Very wild, snow showers in morning, but mainly sunny later, much colder than recently, glass falling heavily, but not very low. On this day the steamer Princess Victoria foundered on journey from Stranraer to Larne which the old boats would never have done.

1st Feb. George home for week end with car, in forenoon he drove us to the Britten Road, & we walked up to the col S of Slieve Thomas in brilliant sunshine & back to the car. The five Whooper Swans seen on the lower pond & reported frequently lately by Brunker & others. Cold, with NW breeze, but without any [illegible] all day.

2nd Feb. Still cold, but wind now NE. Mainly sunny. Snowdon Sax oppositifolia in W border back garden with several flowers, but badly torn up by cat during previous night. Daphne blagayana with a few flowers open. Many yellow crocuses in front garden now in flower & purple crocus with buds showing.

10th Feb 1953. Heavy fall in glass during night of 9th 10th, & rain & snow fell heavily, but the snow did not lie in Dublin. In afternoon walked to Orwell Bridge, then & down Dodder to Rathfarnham & so home. Saw Brunker's early Coltsfoot in flower on left bank of Dodder 40 yards below Orwell Bridge. The Forsythia in Bushy Road, near old tram terminus, which had a few flowers on it a fortnight ago, now with a fair sprinkling of flowers. This bush a few years ago produced a few flowers on one branch before Xmas — I think in Nov. but year [illegible].

Mediterranean Heath in back garden — the small early kind — with a few flowers open since early Dec.! Many signs of growth in garden & several Flowering Currant buds almost in flower in Rathgar.

14th Feb. 1953. A very wet day in mild W. air which clashed with the cold over Britain.

15th–18th. Very mild, dull & drizzly at times. On 16th Miss Oldham's blue Scilla out at Kentuppi in St. James's Terrace, Clonskeagh, & the plant she gave me some years ago with first flowers open on 17th. Chionodoxa with several flowers ready, 5 open on 15th, 1st seen. Benbulbin Sax. opp. in back garden in flower & well as the small flowered form from Snowdon on 15th & signs of spring in all the garden & district.

18th. Frog seen flattened on road N of Wellington Rd.

20th. Chionodoxa in front garden & Almonds in Kenilworth Park & at Rosary Church with some flowers out.

21st. Large flowered Snowdon Sax oppositifolia in front garden as well as 3 Purple Crocuses in flower, [illegible]. Owing to continued mild weather have forced to start feeding the snails in water house today. Aphids with young appeared on some Scottish plants in pots in yard.

22nd Feb. 1953. Our Frog – which is a female – seen in back garden in forenoon & when Daisy offered her a white enamelled dish of water she jumped into it at once although she could not see the water in it as 3 to 4 inches above her head. She did not stay in the water more than a few seconds, but again jumped into it a few minutes later, & again out.

23rd & 24th Feb. Daffodils now out in our garden, probably those planted last autumn only? On 23rd took 2 PM bus to Whitechurch & walked round past St. Columba's College & Grange road & back to Rathfarnham bus. Still very mild, but strong SW–W wind. On 24th walked to Rathfarnham Bridge & down Dodder to Dartry & home. Viola Reichenbachiana out in the Dodder bank above Orwell Bridge, & seen out on 23rd in Grange Road, near Ballinteer. Many elms in flower & one Salix sp. in flower above the weir & below Rathfarnham Bridge.

25th Feb. Mild & very windy (W–SW). First catkins on ♀ Salix cinerea in back garden showing stigmas.
Dead frogs on road [illegible] between [illegible] & [illegible]. No. 6 in fifty yards, [illegible]

26th Feb. A lovely but windy day. Partly clouded & very hot sun. Rather strong SW wind in forenoon, but died away in afternoon, when Daisy saw a Bumble Bee (probably B. terrestris – see description) & a Small Tortoiseshell Butterfly in front garden & later we both saw a ♀

Peacock Butterfly flown in [illegible]

26.2.53 cont. Brimstone at Daphne Mezereum & I heard & saw a large Bumble Bee fly across the back garden, which was either B. terrestris or lucorum & may have been the one seen previously by Daisy in front garden. The flowers open on Flowering Currant in back garden, as well as a flower in the large Snowdon Sax. opp. W border. Our Forsythia now out & Crocuses in hundreds. Roman Hyacinths in front garden & Roman H. in back garden in flower.

27th Feb. – 6th March. Almost continuous mist or fog during the week & very cold with frost at night towards the end of it. Virtually no wind & glass steady at 30.5". Same conditions over most of British Isles.

5th March 1953. Like the 7th a very beautiful spring day after a little frost. Was driven by E.S.A. Bayne to head of Glenasmole at the ford of Bawnmore, where he in 1949 (Spring) bred a Microlepidopteron (Lampronia tenuicornis St.) & its parasite ([illegible]) from swellings on birch twigs, which he found on right bank of the river just below the ford. We collected over a dozen of these galled twigs which Bayne took back to try his luck with them. The whole place at Bawnmore now planted with conifers around the circular moraine. Left about 2.30 & home at 4 PM via Rathdrum & The Scalp. Anemone apennina out in front garden – one flower.

7th–11th March 1953. Still dry & calm with glass even higher than previous week & standing at 30.7 this morning (11th). Afternoon of 11th walked from Crumlin Cross to Rathfarnham to pick up eggs. Saw the pair of Dippers on usual totally just below Templeogue Bridge where they usually nest [illegible] & also picked the two mosses (here mounted) off wall near The Dodder R., S of Willington House.

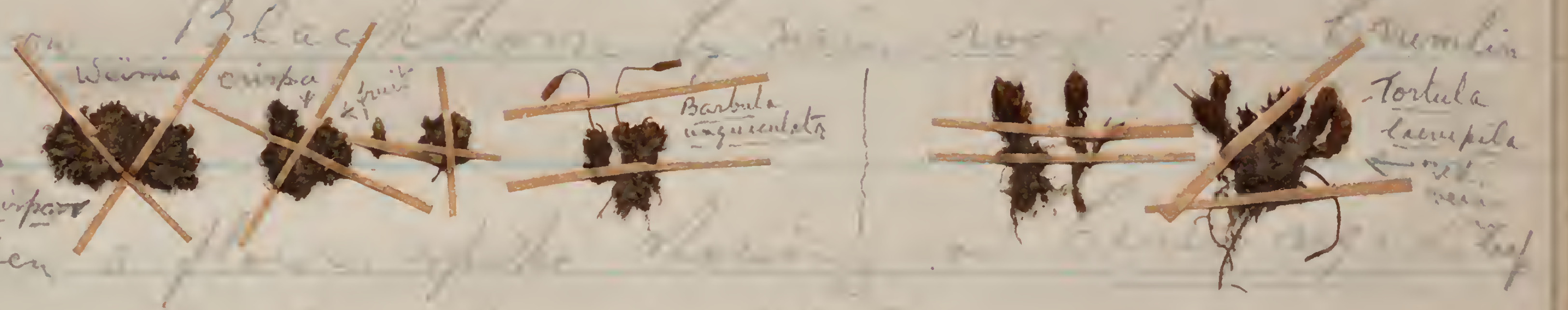
In forenoon of 11th a ♀ Vespa germanica flying about in motor house in back garden trying to get out & [illegible] met the Frog there also about 11 AM.

Grimmia apocarpa

Tortula intermedia. fide Miss Thomson

15th March 1953 (Sunday) Took 54 bus at 9.30 AM to Crumlin Cross & walked via The Green Hills & Tymon Lane to Ballyboden & Firhouse where caught 12.10 bus home. A very nice dry day with S.E. breeze & much sun & blue sky. Glass fell all night to 30.2 & for first time this month below 30.5 or thereabouts. Collected a few mosses — see 3 pp mtd. on opp. p. → for Miss Thomson in two places at the Greenhills cuts (1) on roadside bank & (2) [illegible] sandpit east of highest point of the cuts.

15.3.53, cont. Saw Viola odorata just in flower in usual place just N of Tymon Castle & a few yards further N. near a hillside [illegible] a patch of Lamium album! 1954!! ~~[illegible]~~ with [illegible] flowers open [illegible]. The old patch of the Lamium S of the castle is [illegible] diminished. The early Hazel [illegible] in leaf & several flowers seen on Blackthorn by main road from Crumlin to Tallaght.



Weisia crispa
fruit
Barbula unguiculata
Tortula laevipila
Weisia crispata

In back garden [illegible] flowers open [illegible]

[illegible]

16th March. Flower spikes showing on [illegible] against motor-house wall, but catkins not yet free. Wind E.S.E. [illegible]. No [illegible].

17th–20th March. Very dry with [illegible] wind [illegible] on 18th & 20th [illegible] shelter for [illegible] on W. side of Kilmashogue Hill & quite warm, yellow [illegible] in flower [illegible] saw a large ♀ Bumble bee [illegible] — probably B. terrestris. Also saw [illegible] at [illegible]. Barometer almost up once more to 30.5 & no sign of change.

– Mnium stellare (fide Miss Thomson) by path below upper dam, Glenasmole Co DU 24.3.53.

21st–24th March 1953. Still calm & dry, with almost frosty nights & a lot of sea mist, mixed with hot sun.
On 24th took 9.25 bus to Bohernabreena & walked up Glenasmole to upper dam & back to catch 5.25 bus home.
CHIFF-CHAFFS heard by Daisy in many places but my ears now incapable of hearing them unless close, but I heard them in two places. We had hoped to hear them by the Dodder on 21st but a cold sea mist may have spoiled our chances on that day.
On 24th in Glenasmole we saw & heard a lot of Bumble Bees, but only B. lucorum & [illegible] identified for certain, the ♀ specimen [illegible] by Daisy.* Andrena [illegible] & [illegible] frequented road where [illegible] road washed away in 1931. Entrance holes of [illegible] many [illegible] seen on sandy cliff in woods below the end of upper dam. Anemone nemorosa in flower at usual place in wood 300 yards below caretaker's house – now empty as Mr Murphy left last Oct & has not been replaced by a resident caretaker. [illegible] & found many [illegible] above upper dam. Coll. a few mosses for Miss Thomson, see above.
* One Psithyrus distinctus ♀ also seen "searching" & beautifully fresh.

25th March 53. A perfect day after early morning mist, but glass falling, the last month [illegible] in anticipation. Looks like coming to an end.
Very hot sun all day & faint S.W. breeze in afternoon. Had car out for first time this year & after collecting eggs at Hillcrest, Templeogue, drove on to [illegible] in Slade of Saggart, where left car & walked E. up lane towards Mount Seskin & back across country to car "as the crow flies"! Saw nothing to report, no sign of coming change in the weather. NB Rain fell on night of 25th 26th & much colder!

27th March 1953. A fine bright day with strong SW breeze & falling glass. In afternoon drove to Kippure House gate, Athdown Co. Wi., & spent 1½ hours looking for galled twigs on birch trees, but found only three doubtful galls of [illegible] which brought home. Near Brittas saw a Kestrel by bridge at Co. DU–Wi boundary. Collected some mosses "ecology" for Miss Thomson in Athdown Brook & R. Liffey & on rocks & trees nearby. Ranunculus lenormandi in flower, as usual, in swamp near R. Liffey.

Ulota crispa fide Miss Thomson. – hairy calyptra!

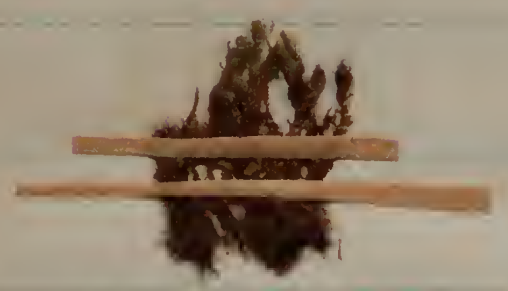
First red Mossy Saxifrage by path to gate in front garden out. Rain & strong wind during night of 27th 28th.

one fruited – [illegible]
[illegible] in fruit

28th March – 1st April 1953. Rather broken weather with heavy showers, some sleet or hail, high W wind & very hot sunbursts intermixed. In spite of general chill garden plants emerging cheerful after the showers following a very dry month, but in the hills grass very scarce & little or no growth through the Whins – those not burnt on St. Patrick's Day – well in flower up to 1000 ft.

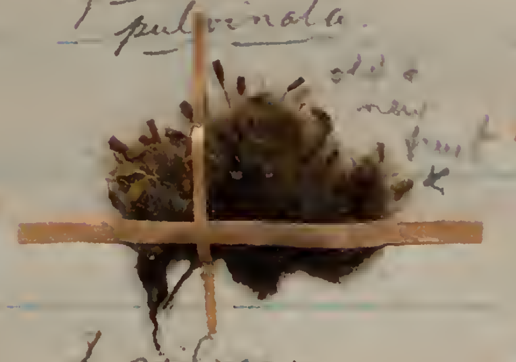
On 1st April drove to foot of lane above Jobstown, Co. DU., & walked up & over Knockannavea almost to Ballinascorney & back. Collected some mosses for Miss Thomson off a wall on S side of the highest point, of which the species mounted below. These taken at about 1100 feet alt.

Bryum capillare.



In large bright green velvety cushions at base of wall.

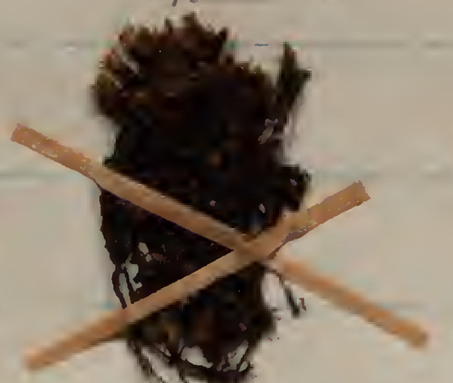
Grimmia pulvinata.



old & new fruit

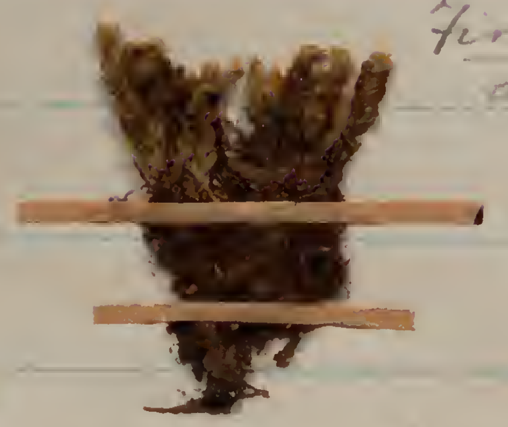
In silvery cushions ½ to 2 inches diam. on stones of wall

Grimmia apocarpa.



on stones of wall.

Fissidens decipiens



All fide Miss Thomson.

In masses to top of wall facing S.W.

Mosses from roadside wall of lane ½ mile S. of Tumbling Pool at ca. 1000 ft
1.4.53.

April 3, 1953. After a cold day & night with heavy showers the hills at 8 AM. ~~this~~ morning were quite white with snow, but continuous hot sun from a blue sky had by noon melted this. In afternoon drove to W end of Phoenix Park where left car at White's Gate & walked to foot of the Furry Glen & back to car, but saw no bird migrants around the pond. By the time the sky had clouded over & a strong cold E wind was blowing, which was SE at Harold's Cross on our return home. The area just N of the pond in the Furry Glen now railed in & planted – apparently with young Sycamore trees exclusively. This new plantation extends the length of the pond & bounded at top of the slope by the old ... plantation, from which the surrounding railings have been removed & it thrown open.

4th April. Fresh snow on hills this morning & reported in papers as having fallen in many parts of the country – including Killarney & other parts of Kerry. Received a letter from J. F. Perkins by first post – dated 26th March, but postmarked 2nd April – with names for two Ichs. which I had sent him ten days ago. The first is a Phaeogenid ♀ from
which I could only run down in Schmiedeknecht's key to Microps maculata, but did not believe!

4. [illegible] cat. Perkins agrees it is the [illegible] that it is the first specimen to be seen from the British Isles. The second belongs to a species which has long puzzled me; [illegible] the ♀ [illegible] him was taken at

He names it Dolichochorus longiceps Strobl apparently described from a single ♀ (♂ unknown). It is placed by Schmied in the Macrochorus [illegible] the [illegible] group. My series of ♂♂ are as follows:—

Borris, Co. CW. 10.6.1935.
Ashdown, WI. 19.6.1938.
Clara, WI. 4.9.1938
These ♂♂ are all [illegible] dentifer!
Kippure Ho., Ashdown, WI. 2♂♂. 26.9.48.

From the dates it will be seen that it must at least have two broods in the year. One of the ♂♂ taken on 26.9.48 presented to J.? Perkins [illegible] for Brit. Mus. collection.

6th April ☉. Easter Monday. After heavy sleety rain at night [illegible] dry in Dublin, dull in forenoon, clear & sunny in early afternoon & then heavy hail showers. In afternoon driven by George (home for week end) to Judges Road

in Slade of Saggart, where left car & walked (Lo, I & Daisy) up lane to Mt Seskin & E. across grass & moor to corner of the new Forestry plantation on Knockanavea, alt. ca 1180 ft. Where we had a splendid view of the big hill, deep in snow above 1500 ft. Have seldom seen the hills so evenly & purely white — even in mid winter. On return walk during a hot sun burst saw a ♂ Dolichopus flying over gorse just E. of the road at Mt Seskin & caught it. It proved as expected to be D. [illegible]. Ten minutes later a heavy hail shower passed over before we got back to car.

In forenoon after sun had come out saw a ♀ Vespa vulgaris flying in back garden — rather unexpected! after the last week's weather.

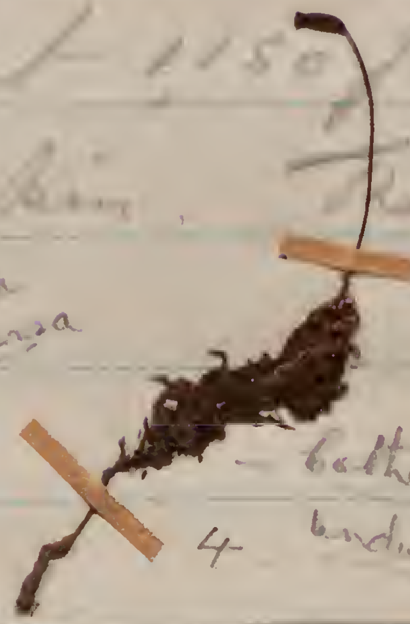
Collected a few mosses at about 1150 ft. in bare grazing field above Mt. Seskin. These included:

Mosses as named by Miss Thomson

1

2 Ceratodon purpureus

3. Weissia controversa


4 Catharinea undulata

5. Fissidens cf. decipiens.

6. [illegible]

7th April. A most perfect day, no wind, all sun. Saw Small White Butterfly in front garden at noon, & ♀ Vespa vulgaris & several Bumble in back garden in afternoon.

8th April 1953. Another perfect day, wind E. & cool, but hot sun from dawn to dusk. In afternoon drove to Glenasmole & left car at caretaker's Lodge - as usual - the Lodge was empty as Mr. Murphy gone to a job elsewhere & nobody appointed in his place. Walked up E side of upper lake (& round a glen between the dam & St Anne's Church) & back to car at 4.30. Heard several Willow Warblers at NE corner of the lake, but singing feebly - as if tired - & watched one feeding on Salix & saw it sing. Also saw a red Squirrel by the old ford over the Dodder below the foot bridge & a very small ♂ Orange Tip Butterfly at east end of the dam, as well as several Peacock & Small Tortoiseshell Butterflies, Bombus lucorum & B. agrorum (at gorse) ♀♀. Swept a ♂ Campoplegid ichn. at flowers of Blackthorn with no areolet & head not narrowed behind the eyes - otherwise like Angitia =

9th April. A cold sunny day but with strong NE wind.

10th April. A warm sunny morning with gentle W-SW wind. [illegible] [illegible] after lunch [illegible] home in car at 12 noon & drove to [illegible] Loch in delightful [illegible], having our lunch with us. Walked W. [illegible] & [illegible] along the path & after lunch did a bit of sweeping - but by this time clouds had covered the sun & half a gale blowing so little out except a few Peacock & Small Tortoiseshell Butterflies & all swept on way back to Loch were:—

Hemiteles sp. ♀, wt 21.
Bassus [illegible] var. with dark legs 1♂, 1♀, wt 20 & 21.
[illegible] [illegible] ♂, wt 42.
[illegible] ♀, wt 15.
[illegible] ♀ = [illegible] ? [illegible]

On return to Loch walked E. up [illegible] & [illegible] the plantation & noted with satisfaction that the [illegible] of ivy smothering the crab apple in hedge just N. of the plantation & which I [illegible] had cut the stems of last autumn was now quite dead. Sycamore in hedge just in flower & Cowslips out along tow path.

11th April 1953. After a very stormy night, when glass fell heavily, rain set in about 8.30 AM & continued for rest of day; light at first with strong SW wind but heavy in afternoon. [illegible] wind dropped to dead calm as glass [illegible] walked up in middle of afternoon.

12th - 18th April 1953. Cold, mainly dull weather, continued all week, with slight frost at night in the early part. Nevertheless growth in garden & hedges continued - due to showers & drizzle. The Early Purple Orchid & [illegible] [illegible] in flower in back garden by 18th. This Orchid I collected between Fair Head & Torr Hd. Co. Antrim in May 1913 when with R J Welch we were making the

59.

18.4.53, cont.]

arrangements for the 50th Anniversary Excursion of the Belfast Nat. Field Club.

19th April 53. A lovely day after a misty morning & dull weather. In forenoon drove to Ballinascreen Gap via B[illegible] & left car at quarry by side above the Slieve brow & walked towards [illegible] Camp. Stopped at the Forestry plantation on slope of Slieve Gallion [illegible] left car to view & looked at the patch of Lycopodium clavatum discovered here on

Also saw the moss Bartramia pomiformis in splendid fruit on the west side of the road just above the first farm on that side & at same place took a ♀ [illegible] {sp. near lateralis but quite [illegible] [illegible]} ant. 26, running about on the tarmac road.

In afternoon in back garden saw a lovely fresh Andrena nigroaenea ♀, also a Vespa vulgaris ♀, running through, & caught a ♂ Phygadeuonid ich., black with white clypeus & white mandibles, ant. 24, running on bare soil =

20th & 21st April. Both fine sunny days after misty mornings but very cold E wind on 20th. Much more genial on 21st & in afternoon drove to "Three Castles" between [illegible] & Ballyward Bridge & walked to the top of Golden Hill, looked at the wrecked tumulus & stone circle on W. side of the summit, & walked back to the car. Very many Bumble Bees

(60.)

21.4.53. cont.]

seen & also 1♂ Andrena (? gwynana) & 2♀♀ Psithyrus distinctus; most Bombi were lucorum & on several flowers of gorse, others at Taraxacum. A very fresh, dark, ♀ B. agrorum seen at flowers of Viola riviniana. One Green-veined White & several ♂ Wood White seen, as well as Small Tortoiseshells & Peacocks. On return journey & between Tullaght & Johnstown saw our first Swallow of the season — all alone & sitting on telephone wire.

In back garden Ribes aureum from Snowdon 1920, in flower for about a week; fronds on Osmunda appearing at the old plant of Euphorbia lathyrus in front garden showing growth the last few days & nearly in flower.

22nd April 53. Another all sunny day with E wind. In afternoon drove to Glenarmole & left car at middle lodge as usual. Then walked across fields to wood along W. side of glen & along it to head of [illegible] & back to car. Saw one Sand Martin & heard one Cuckoo in the Glen at head of waterworks. Chiffchaffs about the lodge & Willow Warblers everywhere. Tried a little sweeping, but the only [illegible] was a ♀ Dasypoda probably D. areolaris (ant. 20) also a ♀ Pheugonus fulvitarsus, ant. 24. Saw a Large White Butterfly in front garden in forenoon (? sex) & a ♂ ditto in Glenarmole in the afternoon as well as a Speckled Wood & a ♂ Orange Tip. Apanteles cf. vitripennis. Hat. ♂ in garden

23rd April 1953. A most perfect summer day! All sunny & very soft & warm, with scarcely a breath of wind from SE.

24th April. Mainly cloudy, & much colder than last two days, & wind W–NW. light. In afternoon drove to lane above [illegible], Co. W., & walked up lane about to [illegible] & then cut across fields & past the [illegible] hill farm on the ridge of [illegible] & back to [illegible] & car.

In evening, 7 PM (S.T.) saw a yellow coat female ♀ Bombus pratorum investigating coal heap in coal house & watched her for several minutes. She eventually flew out into the garden.

25th April. Mainly dull & chilly with NW–N. wind in early part & E later. A few gleams of sun, [illegible] [illegible] [illegible] from the west. In afternoon George here for week end, drove me to Greystones to call on Mrs Palmer & [illegible] Baring [illegible] to her, & I walked along the coast towards Bray Head, where the old railway line — abandoned about 1910 is now breached by the sea in several places.

On return home at 5.30 PM saw a ☿ (worker!) of Bombus jonellus at catkins of Salix [illegible] ♀ in back garden!

26th April 1953. Rain starting about 6 AM & continuing until 10 AM. causing [illegible] growth in many plants in garden in spite of frost [illegible] [illegible]. Sun came out about 11.30 AM but glass still falling.

Both plants of Euphorbia [illegible] in front garden in flower, though not one showing signs of flower ~~two days~~ a week ago! (See p 60!)

In afternoon George drove me to the top of Friarstown glen above Bohernabreena R.C. Chapel & we walked up the road to Piperstown & on up towards the Feather Bed road for about a mile & to about 1150 ft. [illegible] of moss [illegible] (& lichen) of small stones skirting the side of lane S. of Piperstown & [illegible] [illegible] in the stream & clumps of [illegible] in flower in face of rock [illegible] stream [illegible] [illegible]. Much Orchis mascula & Cowslips in flower in pastures N of road between 800 & 900 feet, & Cardamine pratensis & Broom in flower by roadside.

27th April. Rain commenced about 6 AM with E–SE wind & continued for nearly 24 hours, followed by bright period & showers on 28th but weather remained cold except during sun bursts & out of wind, which backed during 28th from NE to NW during the day. Glass low (29.2) all day & level after 2 days fall.

28th–30th April 1953. Cold, with bright periods & showers, though very wet on evening & night of 28th. On afternoon of 29th drove to Brittas Ponds & walked up to Lynch's [illegible] & back to car, but made no attempt to collect as rain again came on & lasted till midnight. On afternoon of 30th drove to W end of the Phoenix Park & did a little sweeping along boundary wall W of White's Gate before a heavy shower made further sweeping impossible. Here swept the following:— Phoenix Park, Co. DU.

Phygadeuonid ♂, large [illegible] =
• Apanteles sp. of pallipes ♂ var. with darkened legs ?
Aspilota sp. n.? ♂ (ant. 25) & ♀ (ant. 21), [illegible] dimorphic, with dark legs, [illegible]
Aphidius spp. 3 [illegible]
Chalcid: yellow [illegible] =

1st May 1953. A lovely sunny day. In afternoon drove to Tinode, nr Blessington, Co. Wd., & walked up lane & on to Cupidstown Hill, Co. KD., alt. 1246 ft. Collected some mosses for Mr Thomson round the summit — mostly along ditch & a boulder on highest point. From there a wonderful view in all directions: the summit of Lugnaquillia clearly visible & deeply covered with snow drifts above about 2,700 ft on N face.

2nd May 1953. In afternoon drove, with Mr J. S. Thomson, first to Mount Seskin & later to Ballinascorney Gap & up the Kilbride camp road for a mile to show him where the moss Bartramia pomiformis grows in ditch west of the road & just E of the first fence on that side & below the forestry plantation.

3rd May 53. Another absolutely perfect day: all hot sun with some gentle SE breeze. Drove to Kilbride, Co. Wicklow & back along the Military Road & left car at highest point S. of the camp, 1245 ft., then walked up W. face of Seefinn & had lunch on cairn (2045 ft.). After lunch walked E across wettish moor S. of head of the "Ruddy Gash" which drains down into the military camp, to cairn on Seefingan (2,364 ft.) & then back to the car via much the same route. Many insects flying — Bombus lucorum (many ♀♀), Andrena lapponica (a few ♀♀ & 1 ♀ seen by cairn on Seefingan) & Vespa rufa (2 or 3 ♀♀) seen at flowers of Vaccinium myrtillus. [illegible] in dozens [illegible] flying over the moor, etc. And many Ichneumonids seen on the wing. The following

3.5.53, cont.

taken – mainly between 1,400 & 2,000 ft. on W. face of Seefinn. No plants of any interest seen & most of it found to have been repeatedly burnt in recent years but on the wet moor between Seefingan & Seefinn there is much Eriophorum. On the flat col between these hills are a few small pools in which water beetles, esp. Dytiscus, & a Gerris were seen & some beetles taken.

1,400 to 2,000 feet or more on
Seefinn & Seefingan, Co. Wi.

Vanessa urticae ♀ with very pale [illegible] 'ab. [illegible]'!
Sawflies 2 = Thrinax mixta ♂ & Pristiphora geniculata ♂.
Ichneumon haglundi ♀, ent. 43.
? [illegible] ♀, ent. 23.
Phaeogenes bellicornis W., ♀ ent. 23
Emperor moths Saturnia ♂♂ seen – 6 ♂♂ netd., ent. 36(1), 37(1), 38 & 40(1) [illegible] ♀ ent. 36 found
the cairn on Seefinn & about the 2,000 ft. level, flying over Calluna as a rule or slightly above it.
Lissonota magdalenae ♂ 2♂♂, ent. 33-34.
Stenichneumon [illegible] rubricipes ♂, ent. 30
Mesoleiid? 3 ♂♂ red abd., ent. 32, 33 & 36 =
Campoplegid 5 = {Anilasta ruficincta ? ♂ & ♀, ent. 33(♂) & 35(♀).
Nepiera concinna ♂, ent. 30
Angitia [illegible] ♂ & ♀, ent. 26(♂), ♀ broken!}
[Also cocoon of Emperor Moth (Sat. pavonia) containing parasite from which emerged about 10th June 53, 10♂ & 6♀♀ of Spilocryptus cf. pavoniae! H.W.S. 15.6.53.]

3.5.53, cont.

Seefinn, Wi, cont.

[illegible] [illegible] ♂♂ & ♀♀ abundant about Calluna, 4 ad. ent. 33(3), 34(1).
Monoctenus [illegible] ♂ at ca. 1,400 ft., ent. 18, teneral!
Chalcid 1 =
Tipulid 1♂, 2♀♀, very common: ♀ has short wings & both sexes a silvery body =
Water beetles in pools on col at ca. 1,800 ft.: 4
=

Also green jumper = Haltica oleracea L. (Hide H.W. Daltry: [illegible] March-April, 1955.)
Small Tortoiseshell & White Butterflies (? species) seen & many small moths.

4th May. Another perfect day, [illegible] & very warm, with slight E. breeze. Saw 2 SWIFTS over back garden at 8 P.M. (S.T.)

5th May. Even hotter than previous days, but similar. In afternoon drove (Doris, I & J.P. Brunker) to Brittas River below Tallaght [illegible] House, just over the Wicklow border & alt. ca. 700 feet. Swept a little by border of old [illegible] just S. of the river & on way back crossed bog further S. where large swamp filled with fine tussocks of Carex paniculata just coming into flower.

5.5.53, cont. Talbotstown, Co Wi., cont.
The following insects swept along old avenue W. of Talbotstown Ho. & S. of [illegible] River.
Pachynematus obductus ♀
Cantharis ♂ ♀
[illegible] 5♂♂, remain. off.
Homocidus [illegible] ♂ & Promethes [illegible] ♂
Bassus sp.? ♂, ant. 32 (tergite 2 irregular, 2. 3 & smooth.) B. cf. [illegible] ♀, ant. 36 but propodeum not smooth!
Oncophanes lanceolator 1 minute ♂, ant. 23.
Apanteles pallipes group 3 none ntd.
Aspilota (Synaldis) concolor ♂ ? 'wide head' not ntd.
Dacnusa areolaris ? & 3 others =
D. confinis ♀, ant. 23: an early date?
D. cf. aphidis, dark var.? 2♂♂, ant. 28 & 30 {legs very dark & wings distinctly so!
Aphidius spp. 7 small ♂♂ not ntd.
Proctos. 10 none ntd.
Chalcids 3: not ntd.
Cynipids 7: none ntd.
Jumping beetle = Phyllotreta [illegible] ntd ?

5.5.53 On this day Robert Lloyd Praeger died in a nursing home in Belfast, following a "small operation" the previous week, in his 88th year. As a member of the R.I.Acad. Fauna & Flora Committee — of which he was an original member — I was requested to write an

appreciation of him as a naturalist for the Irish Times. This I delivered to Dr. A. Farrington at R.I.A. on the morning of the 8th May for his opinion & revision. It appeared in the Irish Times the following day with the usual disgusting headings of the modern press.

8th May 1953. Still dry, but like 7th mainly cloudy & therefore not so hot as the previous days. Ev. afternoon drove to Ballinascorney, ca. 1000 feet, where swept in pine plantation for half an hour & then walked up the lane on to Knockanavea & down [illegible] Road & back to car. Saw first Small Copper Butterfly of the season. In the plantation at Ballinascorney House swept the following insects in Co. DU. [only 3 ntd. & then labelled 10.5.53]
Sawfly. Lygaeonematus laricis 2♀♀ (1 on Larch & 1 on Birch) not ntd.
Ichn.:- Cryptinid 4♂♂, 2♀♀ (Phygadeuon or Hemiteles) none ntd.
Perilissus cf. maculatus Bridgman ♀♀ Ant. 29.
Stenomacrus ♂, with areolet; ant. 22
Campoplegid ♂: not ntd.
Aspilota cf. 1♂, 1♀: not ntd.
Aphidius 3♂♂: not ntd.
Horse Fly 1 =
Weevil 1: not ntd.

10th May 1953. Another perfect day — all but [illegible] and E. breeze. Left home in car at 9.15 AM & drove to upper Liffey valley 1 mile S. of Sally Gap. There left car at bridge over R. Liffey, ca. 1200 ft. & walked up the river for ½ mile & then cut across the moor to N. & on to summit of Kippure, 2,473 ft., on which [illegible] had been before & it is bare granite, moss & heather & no plants of any interest to me. Returned by the [illegible] & joined the Liffey about a mile above the bridge. Left for home about 4.40 & home 5.30. Did a little sweeping on way up & down, but except Diptera & the [illegible] not many insects about. However took the following between 1250 ft. & ca. 2,300 feet —

S. slope of Kippure, Co. Wi.

Bombus [illegible]

Andrena clarkella ♂♂ flying round Mt Ash just coming in to flower at 1250 ft by river.

Vespa norvegica ♀ collecting pulp off Mt Ash dead branch.

Trichiosoma sp. (? [illegible]) on Mt Ash at 1250 ft. but failed to sweep it off its perch & lost it.

10. 5. 53, cont. S. slope of Kippure, Co. Wi., cont.

Nematinae sawfly ♀ in rushy place at 2,000 ft. = [illegible]

Dolerus aeneus ♂♂ [illegible] summit

Hemiteles sp. ♀, ant. 21; H. sp. [illegible]
(very elongate, small, white band, [illegible])

Phygadeuon sp. ♀ [illegible]

Mesoleius ♂, red abd. [illegible] (? off Mt Ash) =

Campoplegid 2

Apanteles [illegible] ♀ [illegible]

Aspilota [illegible] ♀, ant. 12 [illegible]

Aphaereta spp. 2 = A. sp. ? ♀, ant. 16-17, last 2 segments united!

[illegible] 3, none [illegible] A. sp. ♂, ant. 17, small black sp., no white [illegible]!

Chalcid 1 =

Cynipid 2 : not [illegible]

Diptera 2 =

Beetle : Aphodius, black sp., small, =

11th & 12th May. Still sunny & dry with E wind but signs of approaching change. On afternoon of 12th drove to "Judy's Corner" in [illegible] & walked E. over hill to [illegible]. Tried sweeping in [illegible] at ca. 1000 ft. but too windy & took only one ♂ ant. 30, [illegible]) & a ♂ Nematus [illegible].

At this height saw field E. of [illegible] (facing across the valley to the De Selby quarries) full of Viola lutea & a lovely sight. [illegible]

13th May 1953. Dull, cold, SE wind, & drizzle from 12 noon onward — sometimes heavy. The first rain we have had since last week in April & will do much good. Growth in garden visible although temperature low.

14th May. Also mild, wet after a wet night.

15th May. Much milder but very windy — first S.E., later SW-W. No rain but a few spots blowing in the wind nearly all afternoon & evening. Glass low & steady for several days! Caught a ♂ Hemiteles ? sp., cat. 26, on kitchen window at 2 PM — possibly out of cocoon in sticks brought home to light fire — looks very fresh!

In forenoon went to Merrion Square to pick up 6 ♀ Mesochorus bred by E. S. A. Baynes from boxed Salix twigs, found by him near Glengarriff, W. Cork, in April, & which he believes contain cocoons or pupae of Sesia formiciformis, which emerged on 13th. He had previously given me a ♀ bred on 10th from same source. These both belong to the species taken by me at Old Head, W. Mayo, on 28.5.42 & named squamulosus n. sp. I am now strongly inclined to think these are the true M. marginator Nees, while Marshall's marginator, so common in August, may be nidulator Nees.

[Eady & Clark, 1964, agree with this opinion!!! AWS. 9.11.1965]

16th & 17th May 1953. Very windy (SW) with heavy showers.

18th. Wind E, chilly & strong in morning, with sea fog after 12 noon, but mainly sunny otherwise & a nice day with depression approaching from SW.

With Kelly Bros, drove to Dollymount & spent from 11 till 4.30 on the North Bull. Swept in two areas as follows:—

1 = Salt marsh inside golf links from 11 AM till 1 PM, & again between 3.30 & 4.30.

2 = Sandhills outside golf links & beyond St Anne's Golf Club, around the clover plot & lake, towards Beach.

Very few insects out in morning & much fewer in afternoon although conditions seemed better.

N. Bull, Co. Dub.

Taken at 1. Phygadeuon sp. 2 ♂♂: not mtd.

Atractodes bicolor ? ♂: not mtd.

Porizontid. 2 ♂♂: cat 21 & 22 =

Aspilota ? ♂: not mtd.

Bracon anthracinus ♀: not mtd.

B. praetermissa Marsh. 1 ♂, 4 ♀♀, cat. ♂ 29, ♀♀ 25/26, 27, 27, 30: the last a large ♀.

Apanteles of fulvipes 5: not mtd.

Pristola aethiops. 1 ♂, not mtd, & a minute ♀, ca. 1.5 - 1.75 mm, with only 20-seg. antennae.

18.5.53, cont. N. Bult, Co. Du., cont.

Taken at 1, cont.

Aspilota 8 : = A. concinna, atypical ♂, ant. 23 {& a doubtful ♀, with wings not clear & longish, [illegible] & veins smooth, ant. 17: smaller.}

A. cf. insidiator: 3 minute ♂, ant. 17, 18 & 21, with [illegible] prop. & very black legs, possibly the species put in [illegible] [illegible] }

A. (Synaldis) concolor, 3 ♂♂, ant. 17, 20 & 21.

Dacnusa areolaris 11 (? all ♂♂); ant. 21(2), 22(5), 23(4).

Mesocrina [illegible] 2 : not ntd.

Aphidius spp. small common, 12 in [illegible]: only 3 ntd =

G. cf. [illegible] ♀, ant. 15. G. cf. dauci ♀, ant. 13.

Gen. et sp.? ♀: head & base of antennae lost when labelling! {Neuration resembles that of Dacnusa [illegible] sp. but [illegible] is slender & elongate! AWS.}

[illegible] 2: none ntd.

Mymar? 2 =

Other Chalcids very common, ca. 20 in [illegible]: none ntd.

Cynipids 3: not ntd.

Taken at 2.

Pachyneuron [illegible] ♀ ♂ Phygadeuon vagans ♀, [illegible].

Cryptinids 3 ♂♂: none ntd.

Pimpla cf. flavicornis 2 ♂♂: not ntd.

Exochus gravipes (Grav.): large species! Ant. 34

Mesochorus sp. ♀, ant. 28. Won't fit anything in Schmiedeknecht!

Thersilochid 5 = Phradis minutus, 2 ♂♂, ant 16; 3 ♀♀, ant. 12.

18.5.53 cont. — N. Bult, Du., cont.

Taken at 2, cont.

Campoplegids 11 (3 or 4 spp.): none ntd.

Bracon [illegible] & [illegible] ♀: not ntd.

Aspilota cf. pallipes ♂, ntd. A. sp.? ♂.

Euphorus sp. ♀ = E. pallipes 1♂, ant. 22; 1♀, ant. 22

E. [illegible] ♀, ant. 22.

Aspilota distracta (N.) Thoms. ♀, ant. 19.

Dacnusa glabra Nixon. ♀, [illegible] ant. 26

[illegible] ♂: not ntd

Proctos 1: not ntd Mymarid 1 =

Chalcids 2: not ntd.

Blue-green beetle very common =

Common Blue Butterfly ♂♂ common. One Small Copper Butterfly.

21st May 53. After a very wet day, mainly fine with showers about & gusty SE.–SW. wind; warm & mainly sunny. Much [illegible] the [illegible] [illegible]!

In afternoon drove to Manor [illegible] – [illegible] [illegible] & [illegible] – [illegible] & [illegible] of the [illegible], in & around the [illegible] [illegible] but in the [illegible] road — see sketch map in Diary, vol. 17, p. 221, under date of 29 May 1949.

21.5.53, cont.   Manor Kilbride, Co. Wi., cont.

Swept in two areas as follows:—

1 = northern 3/4 of the triangle – mainly off [illegible] trees, but also about 6-8 species swept around [illegible] E. of triangle & above road.

2 = southern edge of triangle, [illegible] & along road at base of the triangle.

Manor Kilbride, Wi.

Taken at 1.

Sawflies: Arge ustulata ♂. [illegible] ? ♀

& one other of Nematini = Dineura testaceipes ♀.

[illegible] 2 ♀♀. [illegible] ♀.

[illegible] sp. [illegible] ; not mtd.

Cryptinae 12, mostly ♂ Hemiteles of various genera; also [illegible] ♀. [illegible] ♂.

Only 2 mounted = Hemiteles cf. politus Bridg. ♀, ant. 22

& Hemiteles sp. small ♀, ant. 21.

Glypta pictipes Tasch. ♀, ant 35

Perilissus [illegible] ; 3 ♂♂ not mtd. P. pallidus ♂, ant. 40, [illegible]

This would run to P. albitarsis Thom., because of short hind spurs & pale front tarsi! AWS.

[illegible] not mtd. ♂. [illegible] longicornis, ♀, ant. 32. [sensu J.F.P. AWS.]

Orthocentrus protuberans?, ant. 30. keels on tergite 1. [illegible] ♂ ♀♀.

Stenomacrus (Neurateles) near brittenii, but no hairs [illegible] ♀, ant. 22 ? sp. n. globiventris n. — "laterally [illegible] tergites"

type AWS. 5. Nov. 1965. cf. [illegible] n., but face not punctured.

Plectiscus defector, ♂, ant. 18 (= exareolatus [illegible] olim.).

[illegible] diversicolor?, small ♂, ant. 18.

21.5.53, cont.   Manor Kilbride, Wi., cont.

[illegible] ♂ ([illegible] ?): not mtd.

[illegible] sp. 10♂ 4♀♀ none mtd. [illegible] ♂, ant. 22

[illegible] pilicornis ♂, ant. 30. [illegible]

[illegible] ♀ not mtd. [illegible] : 2 [illegible] not mtd.

[illegible] pallipes ♀ not mtd. [illegible] mediator 2 ♂♂

Euphorus pallipes 5 ♂♂, none mtd. E. pallipes {1♂ 1♀, ant. both 16 ♂ probably = [illegible]!

E. thomsoni n. (?♀), ant. 16.

Microctonus cf. [illegible] ♂, ant. 23.

Blacus trivialis ♀, ant. 17.

[illegible], 4 ♀♀ of which [illegible] not mtd.

Alloea contracta ♂, [illegible] ; not mtd.

[illegible] ♂, [illegible] ; not mtd.

Aspilota (Dinotrema) [illegible] ? large ♂, ant. 30

A. tumida, ant. 20; large ♂. [illegible] venation.

A. [illegible] ♀, ant. 25. & 13 ♂♂ (6♀, 7♂) of which only 7 mtd. =

A. cf. minutissima? 2♀♀, ant. 17 & 18.   A. cf. [illegible] ? 3♀♀, ant. 16, 16, 17

A. cynipedes ♀, ant. 16 & a small ♂, ant. 24, possibly this species.

Orthostigma [illegible] ♀ [illegible]

Dacnusa [illegible] 2♂♂ ♀ [illegible] not mtd.

D. [illegible] ♂: not mtd.

D. eros, ant. 41; large ♂.

Aenone laevis, ant. 34: [illegible]

[illegible] ; [illegible] ; [illegible] none mtd.

21. 5. 53, cont. Manor Kilbride, Wly, cont.
Taken at 1, cont.

Proctos 21: only 3 mtd. = Disogmus of areolator ♂: prop. at sides rugose!
Zygota of fuscata Thom. ♀.
Paramesius ♀ of Sp. 1, mihi!
Belyta 6: only 2 mtd. =

Synopeas 1
Bethyl. 3

Taken at 2
[illegible] [illegible] ♀, not mtd. Phaeogenid ♀, ant. 23: gen. et sp?
Cryptinids 15: only 1 ♀ mtd. = Gen. et sp.? ♀, ant. 25

[illegible] [illegible] [illegible] 1. not mtd. Polyblastus of pinguis {♂, ant 27 darker var. ?
[illegible] defectus n. 2 ♂♂ ant 18, 15 & 19.
[illegible] ♂ not mtd. [illegible] not mtd.
[illegible] [illegible] — not mtd. [illegible]
Phaeogenid ♂ = [illegible] [illegible] ♂, ant. 33.
Bracon immutator {var. with darkened legs.} ♀, ant 26. Oncophanes lanceolator ♂ var. ant! 23} — [illegible] [illegible] black at apex!
[illegible] incertus W. ♂, ant. 35.
Rogas of circumscriptus, ♂ ant. 43 [illegible] mtd, [illegible]} [illegible] [illegible] ♂ not mtd.
Euphorus of pallipes 3: none mtd.
E. microcerus, 1 (♂?), ant. 19.

21. 5. 53, cont. Manor Kilbride, Wly, cont.
Taken at 2, cont.
Apanteles of pallipes ♂ ♀, not mtd. A. [illegible] ♂♀: not mtd.
Opius of [illegible] ♂ not mtd. [illegible] ♀: not mtd.
Orthostigma of. not mtd. Aspilota (P.) [illegible] {small ♀ large ♂}, ant ♂ 3?, ♀ 22.
Aspilota of ♀ (3 only mtd.)
= A. divisa S. & G. ♀, small, ant. 19; also a larger ♂, ant 22.
A. prona? ♀, ant. 20.
Dacnusa pubescens, [illegible] & [illegible] & [illegible]
large ♂♂, like pubescens but [illegible] [illegible] not mtd. = pubescens! ♂, ant 24

D. hera, large ♀, ant. 29.

[illegible] of 3. [illegible] [illegible] ♂.
[illegible] of [illegible].
[illegible] ♀ 1 only mtd. = Leptacis? 2 species: 1 ♀, 2 ♂♂.
Paramesius brachypterus ♀ (= Sp. No. 3 mihi).
Chalcids, 2
Cynipids 2
[illegible] of ♂. [illegible] [illegible] ♂

23rd May, 1953. Very soft & warm, with much sun, & strong S.W. wind, after heavy rain at night. In afternoon George, home for week-end, drove us to Johnstown, Co. DU., between Rathcoole & Kilteel, & while he & Dinny walked up to [illegible] Slieve Thoule, I collected by sweeping roadside, chiefly the sheltered S. side of by-road leading to Slieve Thoule, but one or two trial sweeps on the Kilteel road along wall of Johnstown House. 3.15 to 4.30 P.M.

Johnstown, Co. DU.

[illegible] 1 [illegible].

[illegible] ♂, very small sp.!

[illegible] cognata 2♂♂. [illegible] sp. 1

Sphecophaga vesparum ? 1♀

[illegible] longicalcar, 1♂, 1♀, ant. both 27.

Stenomacrus 2: St. curvicaudatus, 1♂, 1♀, ant. both 25.

Picrostigeus? sp.? ♂, ant. 27.

Campoplegidae 7

Porizonidae. [illegible] = Thersilochus (cf. [illegible] or [illegible]?) 3♂♂, ant. 20, 21, 21.
Gen. et sp.? ♂ ant. 22; ♀ ant. 20 =

23.5.53, cont. Johnstown, Co. DU., cont.

Plectiscinae sp. ♀.

Bracon 1♀ = B. [illegible] ♀, ant. 25. B. sp.? ♂, ant. 26 & sp.? ♂, ant. 22.

B. cf. [illegible] or [illegible], 7♂♂, ant. 31(3), 32(3), 34(1); ♀, ant. 35.

B. sp.? ♂, ant. 29.

Rogas [illegible] ♂ : not [illegible].

Apanteles cf. [illegible] group ♀ (new [illegible].)

Microgaster cf. tibialis? ♀

[illegible] cf. aethiops ♂ [illegible], ant. 26.

Euphorus cf. pallipes ♀ [illegible] = ♂, ant. 24, but very red at base for ♂

E. [illegible] [illegible] 2♀♀, ant. both 15.

Blacus [illegible] 3♀♀ : not [illegible].

Bracolistes? cf. fasciatus ♂, ant. 20.

Opius funebris ♂, ant. 22. O. [illegible] ♂, ant. [illegible]

[illegible] [illegible] 2♂♂ not [illegible]. Also 1♀, ant. [illegible] ♀, with very black legs.

Alysia [illegible] ♀, 1 [illegible] ♂; 1♀ [illegible] ant 41, ant. 34.

[illegible] [illegible] [illegible] ♂, not [illegible]. [illegible] ♂, ant. 30

Orthostigma sp. cf. angustula 5♂♂, ant. 22, 23, 24, 25, 25 : 4♀♀, [illegible] 20, 20, 21, 23 (probably all same species) also 6♀♀ at first overlooked, probably same species as above, ant. all 20, except one 21.

O. sp. ♂, ant. 19, smaller & with darker legs than above same specimen.

Aspilota [illegible] 14♂♂, ant. 18(2), 19(7), 20(5); 5♀♀, ant. 17(1), 18(3), 19(1).

A. liosoma S.R.G. 2♀♀, ant. both 21, 2♂♂, ant. 23 & 24. A. sp.? ♂, [illegible], ant. 24, slender.

A. [illegible] ♀, ant. 21; also 6♂♂ probably this sp., ant. 20(1), 21(1), 22(3), 23(1).

A. [illegible], 2♀♀, ant. both 17, also a slightly larger ♀ [illegible] the sp., ant. 17 also, but slenderer?

A. [illegible], small ♀, ant. 15.

23. 5. 53, cont. Johnstown, DU., cont.

[illegible] cont. = G. (Synaldis) concolor, 2♀♀, ant. 14 & 15; 1♂, ant. 30, ? this species.
G. (S.) temporalis ♂, ant. 22
G. (S.) fortipes ?? ♂, ant. 20.
Dacnusa adducta ♂: not mtd. D. [illegible] ♀, ant. 29.
D. [illegible] 2 small ♀♀, ant. both 29. D. [illegible]
D. temula ♀, ant. 25.
D. [illegible] 6 (♂ & ♀). D. [illegible] & D. maculipes (♂).

Aphidiini ♀: 4 mtd. = Aph. urticae or rosae? 1♂, ant. 21, 2♀♀ ant. 18, 19 & 20.

Ephedrus lacertosus 2
Proctos. 22.
Chalcids. 5.
Mymarid 1 ♂
Cynipid. 3.
Beetles 3
none mtd.

24th May 53 Whit Sunday.
Very warm & sunny. But not go anywhere! Took a ♂ [illegible] [illegible], ant. , in back garden.

25th May 53. Whit Monday. An equally warm day, but wind W. instead of east & very dark & gloomy till about 10 a.m. [Thunderstorms over the North, Scotland, extending later to N. of England & over Wales, with torrential rain, &c, but none in Dublin.] In afternoon drove to Landenstown, KD., & collected in the usual places, E. of Landenstown Ho. & land, as follows: — 1 = plantations & grassy fields E. of road. 2 = S margin of [illegible] & parallel [illegible] between canal & road, [illegible] E of Landenstown Lock & House.
Hymenoptera for some reason very scarce!

Landenstown, Co. KD. [Mounted & then labelled on 23.5.1965.]

Taken at 1.
[illegible] ♂ ♂
[illegible] ♂ [illegible] ♀ [illegible], ant. 17 = (not mtd.)
Promethes sulcator ♀, ♂ not mtd. Stenomacrus [illegible] ♂♂: not mtd.
Stenomacrus [illegible] ♀: not mtd.
[illegible] flavolatum ♀ (of Gyrocampa?) ant. 34.
[illegible] 2♀♀ = Lathroplex infernalis, ant. both 36.
Bracon carinogula Thomson, rather than immutator (N) Th. on third tarsal characters! Large ♀, ant. 32
Apanteles sp. pallipes ♀ & 2 ♂♂ = A. [illegible] ♀ & A. cf. spurius ♂.
Microgaster tibialis ♂

25.5.53, cont. Landenstown, KD, cont.

Taken at 1, cont. Euphorus pallipes ♂♂: not mtd.

Opius lugens ♂, ant. 21. O. exilis? ♂, ant. 26.

Alysia truncator ♂: not mtd. / Dacnusa evadne ♀, ant. 30, (probably listed as tallis below!) AWS.

Aspilota sp. 4 ♂♂: none mtd.

Dacnusa pubescens. 6 ♂♂: not mtd. D. laevipectus? ♂ not mtd. } none of these mtd. except postica.

D. postica (ant. broken!) ♀. D. gibbipes ♀, ant. 28. D. tallis ♀, not mtd.

Proctos. 11: only 2 mtd. = Diapria (areolata ??) ♂. & Belyta depressa ♂.

Chalcids 4: 1 mtd. = Sawflies, Tenthredo "temula" 2 ♂♂ not mtd.

Cynipid 1: not mtd. , Black ♀ = Empria baltica ♀

Diplazon 1 =

Taken at 2 [10 mtd. from 2 & these labelled 21.5.1965.]

Phygadeuon ♂: not mtd. Mesoleius sp. Ichn. Hyp. ♂, ant. 35.

Porizonid ♀ = Thersilochus sp. ♀, ant. 22.

Bracon fuscicoxis ♂ & ♀, ant. 32 & 30, respectively

Euphorus pallipes ♂: not mtd. E. sp. ♀: not mtd.

Aspilota ruficornis? A minute ♂, with large expanded head, 17-seg. ant., rd. longitu 1 & 2, but segs 3 & 4 elongate & 4 if anything longer than 3, 2nd cubital & 2nd discoidal cells very small, & finally with a sort of ... Cf. ♀ taken at Landenstown on (2) 2.8.53!

Dacnusa pubescens (2), areolaris (1) & laevipectus (?) !

D. postica ♀, ant. 30. D. (G.) senilis ✓ ♂, ant. 27.

Monoctonus caricis ♂: not mtd.

Proctos 4: 2 mtd. = { Ceraphron confusus? minute ♀.
Spilomicrus ... formis (Sp. 15 ...!) ♂.

Nematine Sawfly ♀ = Pachynematus obductus ♀.

26th May 53. A warm day, but becoming dull in afternoon & rain later on approach of depression from S.W. In afternoon drove to St Columba's College just S. of Kilmashogue (about 800 ft.) & back to ... Saw many bee burrows on bare ground above the college, where roads had been cut near surface of granite rock.

27th May 53. After a wet night, very warm, dull, with drizzle all forenoon. In morning, went to see E.S.A. Bryne — British Trade Commissioner, Merrion Square — who gave me a beautiful Metopsilus dentata bred 22 May 1953 from larva of Bombyx quercus var. callunae sent him from Valentia Island, S. Kerry, by Mrs ... in spring of 1952. When received the caterpillars — and another one — were very large & nearly full grown & pupated in June 1952, although the callunae larvae being fed up by Bryne were only about an inch and a quarter long & did not pupate till August, as usual. He also gave me a ♀ Eupithecia ... recently received from Tory Island & sent by D. J. Sullivan.

In afternoon we drove to Manor Kilbride, Co. Wi., as the day had cleared then strong W. wind got up about 2 P.M. Everything very wet still in shelter & so could only sweep in windy places & so catch not so large as might have been. Sweeping a ... at southern end —

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27th May 1953, cont. Manor Kilbride, Co. Wi, cont.

of the triangular plantation — see sketch map on p. 221 of Diary, vol. 17, under date of 29th May 1949 — saw a Red Admiral Butterfly, which flew away on my approach — the first "migrant" I had seen this year! Swept where possible, but chiefly under beech trees, along W. side of triangle & about the old quarry-hole at SW. corner, & along road at S. end. [about 45 mtd. + these labelled on 16.5.1965 or earlier.]

Manor Kilbride, Co. Wi.

Red Admiral Butterfly seen!

Sawflies = Empria [illegible] & Dineura testaceipes ♀.

Ichneumon fabricator, ♂, ant. 37. Phaeogenes scutellaris (= maculicornis Steph.) ♀, ant. 30. — with large ocelli spiracles!
Var. impugnator in Schmied.

Epitomus pygmaeus : [illegible] mtd.

Cryptinae 15 (mostly or Hemiteles, ♂♀), none mtd.

Thaumatotypa paradoxus (= bellipes) ♀ : my second !! 4th Irish !! — ant. 17.

Promethes sulcator 2♂♂, not mtd.} Homocidus flavolineatus, very small ♀ ant. only 22.

Polyblastides? 2 = Polyblastus propinquus, dark ♂, ant. 28. P. cf. cingulatus? ♂, ant. 28.

Stenomacrus [illegible] ♀, not mtd. St. [illegible] ♂, not mtd.

St. affinipennis, small ♀, ant. 23.

Phrudus excavatus ♂, ant. 18.

Thersilochini ♀ = Thersilochus sp. ♀, ant. 26.

Campopleginae 3 = Casinaria sp. ♀, not mtd. 3♂

Gen. et sp.? ♀, long terebra, ant. 22.

Nepiera concinna ♂, ant. 29.

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27.5.53, cont. Manor Kilbride, Co. Wi, cont.

Plectiscinae sp. ♀, ant. 22. [illegible] ♂, ant. 22.

Helictes ♂ : not mtd.

Bracon immaculator ♀, ant. 28; also a ♀ probably this sp., but legs & wings darker. — ant. 31.

Rogas dimidiatus ♀, very fine ex., between road & quarry. — ant. 38.

R. circumscriptus : ♂ ; not mtd.

Apanteles cf. pallipes ♀. A. emarginatus N. ♀, leg. [illegible] (= annulicornis Hal.).

Microplitis cf. tuberculata [illegible] Not mtd.

Euphorus pallipes 2♂♂. E. flavicornis ♀, ant. 26 {cf. ♀ taken [illegible] 18.6.53 p. 110 →

E. fulvipes : 4 (2♂♂ ant 16 & 17 : 2♀♀, ant. both 16!)

Meteorus testaceus ♀ : cf. ♂ taken here on 21.5.53! — ant. only 17

Meteorus punctiventris ♀, ant. 27.

Leiophron edentatus ♀, ant. 26. Opius sp. ♂ : not mtd.

Phaenocarpa ruficeps large ♂ : not mtd.

Aspilota sp. 7 : only 2 mtd. = {A. (Synaldis) concolor, a minute ♀, ant. only 13. A. prona, a nice large ♀, ant. 23, but a little teneral.

Dacnusa [illegible] 3♂♂ D. cf. [illegible]

[illegible] = D. abdita large ♂, ant. 34. D. senilis 2♂♂, ant. 35; 1♀, ant. 37.

D. lateralis 1♂, 1♀, ant. both 40. D. macella? a minute ♂, but ant. 34.

[illegible] ♀

Proctos. ♀ : 3 mtd. = {Leptorhaptus cf. politus? ♀. Pantoclis sp. ♂. Belyta depressa ♀.

Chalcids 2 : not mtd. Cynipid sp. : not mtd.

Hemipteron = Lace Wing =

Beetle ! = Dipteron = Stork Fly. ? = Pachymeria femorata ♂

28th May 1953. A lovely, hot, sunny day, with gentle W wind after a dull morning. Left home in car at 10.30 AM & drove to Woodend – E. of Blessington – where left car & walked up on to ridge S. of Lugnagun Great where had lunch at about 1250 feet. After lunch went along ridge & up NW face of Sorrel Hill, 1976 ft, where spent 1½ hours enjoying view & catching Diptera sitting on & around the cairn. Also saw one Red Admiral Butterfly flying around summit. Collected by sweeping all the way from lunch place to summit & this = 1. Came back via the Woodend Brook & old road along SW side of Woodend Hill & swept a few insects off Salix aurita by the brook at ca. 1000 ft = 2. Finally, after cup of tea at car, swept side of road along W. side of [illegible] triangle at Woodend, as often before: this = 3

Sorrel Hill, Co. Wi. 1250 to 1976 ft.

Taken at 1. 1.20 till 2.30 P.M. [10 mtd. from 1, of which 4 are beetles, labelled on 12.5.1965.]

Braconidae ♂.

Cryptinae 16 – all ♂♂ but one – mainly Hemiteles, Phygadeuon, or Atractodes – none mtd.

Lissonota magdalenae Pfankuch. A lovely ♀, except ant. broken.

Stenomacrus affinis, var. "C."?: ♀, very small; ant. 23

[illegible] ? [illegible] 1. not mtd.

Aspilota sp. 4 ♂♂ = {(a) ? sp. n? 2 ♂♂ ant. 19 & 20: dimpl., semi-areolated, rugose, prop. very small, dark legs.} = ridualus sp. n. Type! & Co-Type. AWS. 12.5.1965.

3 only mtd. → {A. (Synaldis) eudenticornis?: ♂, ant. 23.

28.5.53 cont.

Taken at 1, cont. Sorrel Hill, Wi., contd.

Microtonus & Aphidius spp. 9; 2 only mtd.

= Aphidius 2 spp. 1♂ of each, both with very black legs; ant. 13 & 19.

Procto. 4 } none mtd.
Chalcid. 6 }

Beetles 4 = Aphodius fimetarius? & Aph. ater?; one each!
2 others

Diptera 3 Sericomyia lappona 3 ♂♂ — Lappona = 3 taken at cairn at 1976 ft.

Red Admiral Butterfly at cairn.

[Took a small ♂ Hemiteles in garden, Charleville Rd., Harold's Cross, Dublin, in evening, 28.5.53.]

Taken at 2. 1000 ft. off Salix aurita. Woodend Brook. 3.30 PM. [Only 3 mtd. from 2, & these labelled 11.5.1965.]

Cryptinae 3 ♀♀. Hemiteles ? 3 ♀♀ = Habrocryptus alternator ♀, ant. 26.

Phytodietus segmentator ♂ ant. 30 – prettily marked with white.

Procto & Chalcid. 2.

Sawflies. Pontania ? 1♂, 2♀♀.

Taken at 3. Roadside at Woodend, Wi. 4.45 – 5.15 PM. [2 mtd. & then labelled 5.5.1965]

Cryptinae 2. Hemiteles & Phygadeuon spp. 1 ♂ each, one mtd. =
Phygadeuon bonelli, ♀, ant. 19.

Stenomacrus affinis "C." ?. ♀, ant. 23; areolet very small!

Perilissus filicornis small ♂, ant. 41.

28th May '53, cont. Woodend W1, cont.

Taken at 3. cont.

[illegible] ♀ = Thamiolochus of moderato? ♀, ant. 31.

Helcita sp. ♂: not mtd. Acrodactyla madida ♂, ant. 24.

Bracon cf. obliquus? ♂, ant. 30.

Rogas circumscriptus ♂.

Apanteles [illegible] ♂.

Opius cingulatus? ♂ & 5 others = O. funebris, 2♀♀, ant. both 20.

O. [illegible] sp.? 2♂♂ ant. 24

O. [illegible] ♂ ant 24.

Alysia tipulae ♂. Phaenocarpa [illegible] ♂.

Phaenocarpa [illegible] ♂

Aspilota spp. 5: none mtd.

Dacnusa maculipes, [illegible] & [illegible] 5

D. affinis 2♂♂ 1♀. D. gilvipes 3♂♂. 2 + 1 other
2.1♂ only mtd. has v. dark legs; ant. 26.
= D. postica (= gracilis) Nixon: 1♂, ant. 36; 2♀♀, ant. 27 & 28: all v. small.

G. of lateralis, large ♂, ant 42, with v. dark tibiae & antennae! Also a v. small ♀, with only 34 ant. segments; hind tibiae fuscous at apex!

G. sp.? (?♂), ant. 36: looks like small erras Nixon, but has virtually no trace of sternaulli: possibly a freak! put in box with erras ♂.

Chaenusa conjungens ♂. [No Cephidae!]

Proctos. 15.

Chalcid. 7.

Garden, 14 Clareville Rd, Harold's Cross, Dublin 1953.

"First Crabro varius seen in garden during [illegible] on 24th May.

Spilomena troglodytes seen on 25th May.

Vespa norvegica: a worker seen licking something at base of leaves of Juniper in back garden [illegible] seen on 27th May. Others seen on following days. These the only wasps seen so far.

1st June 1953. Wind N. strong & cold [illegible] with three showers in early afternoon. R. L. Coe (British Museum) came to Ireland & is staying in Dublin for a couple of weeks, to collect Syrphidae & [illegible]. In afternoon he & I walked to Orwell Bridge, & down R. Dodder to Dartry & collecting along river path & on the "island" or flat below Dartry [illegible] recently taken over by the Dublin Corporation as a park & playing field. Except Alexanders, Cow Parsnip & Anthriscus, [illegible] [illegible] but vegetation very wet after showers.

Dartry, Co. DU. 3.30 – 4.30 P.M.
[28 mtd. + these labelled on 5.5 1965.]

Sawflies: 2 = Tenthredopsis nassata, bright red & [illegible], ♀ not mtd.

[illegible] ♀ =

Sclerophygga [illegible] 3 ♂♂, ant. 26/27/35. Polysphincta [illegible] ♂ not mtd.

Bassus tricinctus [illegible] ♂, ant 20: broken when labelling!

Homocidus [illegible] ♂, ant. 21.

Pezomachus fasciatus ♀, ant. 21.

1.6.53, cont. Dartry, Co. DU, cont.

Apanteles cf. pallipes ♀ : ant. [illegible]

Opius cf. clarus Hal. ♂, ant 33.

O. celsus Hal. ♂, ant. 33.

[illegible] apii ♂, ant. 49. Tanycarpa ancilla ♀, ant. 23.

Aspilota [illegible] ♂, ant. 19.

Dacnusa melanocera small ♂ ant. 17. D. [illegible] ♂, ant. 27.

D. [illegible] 2♂♂, ant. 33 & 34+. D. umbellina ♀, ant. 22.

[illegible]

Coelinius niger, rather small ♀, ant. 38.

Aphidius sp. 13 small ♀♀ : 7 mtd. = Aph. arundinis, 2♀♀, ant. both 14.

Aph. avenae, a small ♀, ant. 17. Aph. cirsii Hal. (renominatus Hinck.) 4♀♀, variable in colour, ant. 16, 17, 17, 17.

[illegible] nigripennis, ♀

Beetles 2 = Dasytes aerosus & [illegible]

2nd June 1953. Coronation of Queen Elizabeth II.
A cold bright day, with much cloud [illegible], wind strong, & N. or NE. 'No rain in Dublin'

3rd June. Colder, still same strong N. NE wind & no sun; several showers in afternoon & evening.

In afternoon drove to Cloghleagh =1. in upper Liffey valley & collected along side above bridge on S side of glen in the Forestry Beech plantation; also a few old oaks & conifers.

3.6.52. cont.

Also collected at Manor Kilbride =2! triangular plantation between roads on return journey for a few minutes, but the place very wet & in contradistinction to Cloghleagh very little in the way of Hymenoptera out.

3.30 – 4.30 PM (1) S side of Cloghleagh Glen, Co. Wi, above bridge. [67 mounted & those labelled on 28.4.1965.

Tenthredo ferruginea & T. balteata.

Anteon 2♂♂ =

Cratichneumon 2 spp. 2♂♂ : neither mounted.

Cryptinae 15 : only three mounted = Pezomachus mixed winged ♂, ant. 21.

Phygadeuon ♀, ant 19. Phygadeuonine ♂, ant. 23 =

Pimpla cf. flavicoxis ♂ : ant. mtd.

Homocidus pallipes ♂.

Stenomacrus merula ♀, ant 25. St. [illegible] ♂, ant. 24.

Orthocentrus, small ♂, ant. 17, broad [illegible] =

Picrostigeus sp.? 2♂♂, ant. 26 & 28 cf. recticauda!

[illegible] exareolatus m. ♀ : 2♂♂, ant. 17 & 18; 7♀♀, ant 16(1) & 17(6).

Polyblastus {[illegible] v. marginatus? ♂, ant. 27.
{sp. ?, abdomen ~~black with tergite~~ 2-4 red banded, ♂, ant. ~~27~~ 26. cf. similar ♂♂ under [illegible]!

Mesochorus sp. ♀, ant. 21.

Campoplegidae 2 neither mtd.

[illegible] 6 : only mtd. = Adelognathus dorsalis ♀, ant 11, terebra extruded!

Helictes borealis? ♂, ant. 31 : runs to clypealis in Townes's key!

2 & 3?, ant. 12) [illegible], W1.

[illegible] ♀.

6

[illegible] 2

[illegible] cf [illegible] 1 [illegible] 3

Euphorus [illegible] 1♀, ant. 16. Euphorus [illegible] ♂: 1 small, ant. 22, slender ? ♂ only mtd.

E. [illegible] ♀ 1 (?♀), ant. 22.

Blacus tripudians ♂: not mtd

Opius levis ♂ ant. 24

Alloea contracta 2 ♂♂. Alysia tipulae ♂. A. livida, ♀.

Aspilota 28 = A. prona 2♀♀, ant. 21 & 23, 1♂, ant. 24. A. diversa ♀, ant. 19. A. cf. lyra 2♀♀, ant. 18 & 17, 2♂♂, ant. both 24.
A. sp? minute ♀, ant. 16, [illegible]. A. cf fuscicornis, small ♂ ant. 22, [illegible] ant. 24. A. cf nemoralis, 2♀♀, ant. 16 & 17; 2♂♂, ant. 21 & 22.
A. [illegible] 2 small ♀, ant. 21 & 23. A. viatica ♀, ant. 20. A. cf. [illegible] ♀, ant. 21. A. tumida, ♀, ant. 22.
A. cf [illegible]? 2♂♂ (ant. both 22), 1♀ (ant 17); smooth propodeum! A. sordipes? ♀ ant. 20, with extruded spiculum!
A. sp? v. small, ♂ (ant. 17), ♀ (ant. 16): rugose propodeum, no dimple or ghostly dimple.
A. (Synaldis) cf. [illegible]? 2♀♀, ant. 16 & 17: possibly two different species?

Orthostigma 2. = O. [illegible]? ♂ ant. 22. O. maculipes ♀, large, ant. 19.

Dacnusa [illegible] 6♂♂. D. [illegible] & D. [illegible] 1♂ each.

D. eros ♀ ant. 36.

[no Aphidius [illegible]?]

Proctos. 16: 5 mtd. = Leptorhaptus cf. [illegible]? Kieffer, ♀

Aclista insolita Nixon? ♂. Diapria areolator ♀.

Pantoclis obscuripes group? ♂. Spilomicrus sp. No. 9: ♀.

Chalcids 5

Cynipid 1

Beetle (= Cantharis (= Telephorus) rustica?

3.6.53. (2). [illegible], Co. [illegible] [12 mounted & then labelled on 25.4.1965.]

[illegible]

Phygadeuonid? ♂, ant. 25.

[illegible] ♀, no dealt-off [illegible]!

Polyblastus propinquus ♀, [illegible] {ant. 30 Phaeodus [illegible] (non [illegible]). ♀, ant. 17.

[illegible] ♂, ant. 23: very small sp. =

[illegible] ♂, ant. 23. {Same sp. I think as ♀ taken in Tollymore Park, Co. Down, on (2) 16.7.1961, which has 22-seg. ant.

Euphorus [illegible] ♀: none mtd.

[illegible] ♀, ant. 22: mtd on its back.

Opius 2 = O. [illegible] Hal. ♂, ant. 34. O. levis ♂, ant. 34: {post-petiole abnormal with a [illegible] longitudinal groove.

Aspilota 2 = A. viatica, small ♀, with strongly areolated propodeum & 19-seg. antennae;

& A. (Synaldis) funiculicornis ♀, ant. 18.

4th June 1953. [illegible] with [illegible], [illegible] wind [illegible] SE-E, & dropping in evening. [illegible] day, & [illegible] & no [illegible] at night. [illegible] with R. L. [illegible] (of [illegible]) to [illegible], arriving 11.30 a.m. & collecting along N side of lake & [illegible] road, [illegible] of [illegible] station, as on 10.8.1952, where very [illegible] collecting ground between the half-filled up lake — now reed [illegible] — & the boundary wall on W. side of [illegible], along the road from [illegible] to [illegible]. [illegible] with many seedlings of birch, oak, [illegible] & [illegible].

95.

4.6.53. cont. Oldtown, Naas, Co. Kildare

Taken at 1, before lunch, along most outside estate wall & along path inside wall. 12.0 noon till 1.0 P.M. [33 mtd & those labelled 16/4/1965.]

Bracon[illegible] ♂: not mtd. [illegible] callipes W. ♀, ant. 24.

Cryptinae ♀ (7♂♂, 3♀♀): including Pezomachus [illegible] ♀: not mtd

[illegible] or Phygadeuon? ♀, ant. 20: only mtd.

[illegible] [illegible] ♀: not mtd. [illegible] [illegible]: not mtd.

Stenomacrus intermedius 4 ♂♂, ant. 30, 31, 31, & 32.

Mesochorus ♀: not mtd. Helictes pilicornis (?♂), ant. 29.

Campoplegid ♀ = Meloboris (Diadegma) crassicornis ♀, ant. 24.

Bracon [illegible] ♀, var. smooth tergites, ant. 23+ (bitten off!)

Colastes [illegible] 1♂ 1♀: not mtd. [illegible] ♀ & C. impurus? ♀

Microctonus cf. cultus M. ♂, ant. 22: rather dark example!

Meteorus punctiventris ♂, ant. 33.

Blacus nigricornis m. ♂, ant 18. [illegible] [illegible], large ♀, {ant. 34, legs entirely pale!}

Opius [illegible] ♀ ([illegible] 1953) & O. [illegible] ♂.

O. nigro-pygmaeus m. ♀, ant. 24; paler than type, possibly ± teneral: see pp. 103 & 97 to follow

Pentapleura pumilio, small ♀. Aphaereta tenuicornis ♀, ant. 24.

Orthostigma sp.? (dark legs) 2♂♂, ant. 18 & 23, but both seem to be same species!

[illegible] 1♂♂, 3♀♀ = [illegible] of [illegible] complex {mesonotum hairless, terebra nearly ½ abd., legs very slender & pale, propodeum very short & not spinulate. AWS. 19.4.65.

G. cf. [illegible] ♀, ant. 18. G. fuscescens? ♂, ant. 23. G. fuscicornis, small ♂, ant. 17

G. (Synaldis) lewis? a minute ♀, ant. 15.

96.

4.6.53, cont. Oldtown, KD. cont.

Dacnusa pubescens 1♂, 1♀: not mtd. D. [illegible] ♂: not mtd.

D. [illegible] 3♂♂, 2♀♀ {ant. 33-33♂, ant 30-31♀} D. merella (♂?), ant. 37. [illegible]

Coelinius [illegible] ♀ {♀ ant. 40} [illegible] [illegible] [illegible] (in right wing)

Chaenusa [illegible] ♂ & 2♀: none mtd. [illegible] [illegible] ♂, not mtd.

Trioxys angelicae Hal. ♀; ant 11

Aphidius ?: none mtd

Praon 3 {only 1 mtd. = Hemilexis ??} [illegible] ?: not mtd

Ceraphron 2: not mtd. [illegible] & C. variabilis?

Sawfly 1 =

Taken at 2 [illegible] estate wall & lake side or off road, etc., felling the old lake. 2.00 – 4.30 P.M.

Cryptinae 13 (mostly Leptocryptus & Hemiteles) only 2 mtd. =

Pezomachus red & black sp. ♀, ant. 15: "long 3, [illegible], [illegible], [illegible]" [illegible]

Phygadeuon sp. ♀♀, [illegible] ant. 18; [illegible], [illegible] & [illegible].

Phytodietus coryphaeus? ♀, [illegible] — almost unmarked! ant. 37.

Polyblastus arcuatus ♂?: ant. 28.

Polyblastus varitarsus 1♂, 1♀ (carrying larvae!): ant both 40.

[illegible] ?: not mtd. [illegible] ♂ not mtd.

Promethes pulchellus ♂ & ♀, not mtd. Promethes [illegible] ♂: not mtd.

Bassus tricinctus 1: not mtd. [illegible] [illegible] ♂: not mtd.

Mesochorus 1♂, 1♀: not mtd.

Campoplegid 3: none mtd. Thersilochus ♂: not mtd.

Helictes ♂: not mtd. [illegible] [illegible] ♂, ant. 14: [illegible] entirely yellow.

Stenomacrus [illegible] 5 not mtd. St. carbonarius ♀, ant. 20.

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4. 6. 53. Ardtona, near, K.D., cont. — probably immaculatus (N.) Th. AWS. 1965.

[illegible], cont.

Bracon [illegible]? ♂, not mtd. [illegible] = B. nivalis ♀, ant. 37.

B. variator Thom.? ♀, ant. 23 & [illegible] B. titubans Wesm.? ♀, ant. 27 {also a possible but very small ♂, ant. 26.}

B. rugifrontalis? (Lancret) ♀, ant. 29 {also a possible ♂ probably ant. 28.}; Also a larger ♀, ant. 31, ? this species.

B. cf ♂ of pictipes with [illegible] flavipalpis Thom. ♂, ant. 27.

Coeloides [illegible] 3♂♂, 1♀, not mtd. Rhyssalus clavator ♂: not mtd.

Rogas circumscriptus? ♂, ant. 41

Apanteles [illegible] = A. cf [illegible], 2♀♀. A. [illegible]? ♀.

A. emarginatus? 2♀♀.

Euphorus [illegible] ✓ [illegible] = E. fascialis Thom. (♀♀), ant. 19.

Perilitus {[illegible] sp. n. ♂, ant 18, legs & body very black; stigma long, black; radial cell & wings narrow; [illegible]; ant. black ♂. AWS ♀ '65.} Meteorus fragilis, var. ♂, ant. 34.

Macrocentrus collaris, a pale ♀, ant. 31.

Opius [illegible] ♂ & 16 others: = O. funebris {5♂♂, ant. 21(3), 22 & 23, 5♀♀, ant 18, 19, 20 & 21(2).}

O. nigro-pygmaeus [illegible]: ♀, ant 25: see note on Type on p.103!!! O. exilis ♂, ant. 23 {Var. with [illegible] [illegible]!}

O. cf [illegible]? ♂, ant. 27. O. cf. femoralis ♀, ant. 28 {[illegible]}

O. pallipes [illegible] 2♀♀, ant. [illegible] 35.

[illegible] ♀ not mtd. [illegible] ♀: not mtd.

[illegible] ♂ not mtd. [illegible] not mtd. [illegible] 2♀♀

Alysiid = {A. [illegible] sp. ? Type! ♀, ant. 25; AWS 10.4.1965. by key! [illegible] ♂.} [illegible] 2♀♀, ant 15 & 14

[illegible] cf pumila Nees? ♀, ant. 19: Aspilota [illegible], ♂, ant 24 {= cuneata nobis olim!}

Aspilota [illegible] ♂, ant. 19. [illegible] = A. [illegible] complex {1♂, ant. 24, rugose propodeum! 1♀, ant. 20, ± smooth, typical propodeum!}

A. maculipes 2♀♀, ant. 17 & 19. A. [illegible] Marsh. 1♀, ant. 15, also a larger ♀, ? this sp., ant. 16.

A. cf fuscicornis or nigricornis, 5♂♂, ant. 21(2), 22(2) & 23; 1♀, ant 18. A. cf. fuscipennis?? a dark ♀ possibly this sp., ant. 17.

A. atra, a small ♀, ant. 22. A. [illegible] ♀, ant 17.

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4. 6. 53(2) cont. Ardtona, K.D., cont.

Aspilota fuscicornis? ♂, ant. 18. A. truncata? [illegible] ♂, ant. 16, ~~[illegible]~~ A. [illegible]? ♀, ant. 19 & also a ♂, ant. 22.}

A. (S.) concolor 3♀♀, ant. 14, 14 & 15. A. (S) cf. temporalis ♂, ant. 19.

Dacnusa [illegible] 2♂♂, ant. 40 & 41. D. eros ♀, ant. 37. D. [illegible] Nix. ♀, small, ant. 23.

Dacnusa [illegible] 1♂, 1♀ not mtd. D. [illegible] ♀, ant. 31. D. pubescens [illegible] not mtd.

D. postica (= gracilis) ♀, ant. 30. D. persimilis ♀, ant. 25; also a ♂, ant. 27.
= melanocera (Th.) Griffiths.

[illegible] rufipes n. ♂, ant. 41. [illegible]? ♀ not mtd.

Toxares deltiger ♀, ant. 20. Ephedrus plagiator? ♂ not mtd.

Aphidius fuscomaculatus ♀: for description of Type ♀ of this n. sp. see p.103 to follow! →

A. [illegible]? [illegible]; ant. 18 & 19.

A. sp.: 2: none mtd.

Proctos 21, : 7 mtd. = [illegible]. [illegible]

[illegible]: ? ♂ of 7. [illegible] 2♀♀.

Phaenocarpa [illegible] ♂. [illegible]? ♀, [illegible]

Chalcids, 11 + 4 Mymarids: 5 mtd. including the 4 Mymarids.

=

Cynipids 7. not mtd.

Beetles 5[illegible] =

6th June 1953. The first really [illegible] for a week. [illegible] down to Ballinamona [illegible] [illegible] Ballymorgan Hill, alt. 1669 ft. [illegible] anything, but [illegible]

7th June. Again not [illegible]. [illegible] [illegible] [illegible] in Hawthorn [illegible] in yard. A few [illegible] [illegible] in the Killarney fern case. Originally [illegible]

7th June 1953, cont. In afternoon drove to Rye Water, Leixlip, Co. K.D., to get [illegible] for Mr [illegible], & then on to [illegible] Lock on Royal Canal. Left car at 3.20 P.M. Walked back to Mr Mitchell's plantation [illegible] swept for an hour [illegible] almost perfect condition but Hymenoptera almost absent & five minutes' sweeping produced any at all or only one or two. Very hot sun, with cool breeze. Left there at 4.30!

Royal Canal, Co. K.D. [14 mounted & those labelled on 3.4.1965.]

Swept in Mr Mitchell's plantation (Collinstown House). all [illegible] ♀ or [illegible] taken on tree-pall.

Tenthredopsis ♂; not std. [illegible] ♂, not std.

Rhogogaster "[illegible]" ♀; not std. [illegible] ♀ ♂, not std.

[illegible] "[illegible]" ♂; not std. Hemiteles pulchellus? ♀, ant. 31.

Exochus separandus Schmied., on tree-pall! ant. 24.

Thersilochid ♀ not std.

Rhyssalus clavator ♀, small, ant. 24. Perilitus ♂

Blacus ruficornis ♀ not std.

Opius 3 = O. caesus, large ♀, ant. 38. O. xanthogaster m. ♀, ant. 33,
O. platynotum ♂, ant. 26.

Phaenocarpa [illegible] ♂; not std. Alloea [illegible] ♀ not std.

Aspilota 2 ♂♂, neither std. Dacnusa [illegible] ♀; neither std.

Coelinius niger 3 ♂♂ ant. 39, 39 & 41. Aphidius ♂. not std.

Proctos. 4 = {Aclista [illegible] ♂? Zygota fuscata ♀.
{Spilomicrus ♂ of Sp. 15
[illegible] not std. [illegible] Diapria Sp. No. 1 ♀

[illegible] = [illegible]?

5th June 1953. Another perfect day after a cold night & [illegible] morning. At 2 P.M. [illegible] in back garden; [illegible]

9th June 53. A very warm day, with [illegible] SW wind, [illegible] in forenoon, [illegible] in the afternoon [illegible] depression approaching from W.

Returned to Oldtown Ho. [illegible], Naas, Co. K.D. with R. L. [illegible] & collected [illegible] wood & old reed-filled [illegible] as on 4th June. Filled two [illegible] — one before & one after lunch.

Oldtown Ho., Naas, K.D.

1st Sweeping. 11.20 A.M. till 1.0 P.M. [4 [illegible] from 1 & then labelled 29.3.1965.]

Rhogogaster viridis [illegible]. Tenthredo [illegible] ♂

Gryonid ♀ = Anteon fulviventre ♀

Cryptid 7 [illegible], [illegible] ♂; only the last std. = Atractodes ♂ ant. 24

Meniscus catenator ♂, ant. 45. Acrodactyla degener ♂, ant. 20.

Perilissus 3 = P. orbitalis ♂ ant. 39.
& P. filicornis 2 ♂♂ ant. 43 & 44, the latter with almost black abdomen.

Polyblastus varitarsus ♀ =strobilator, [illegible], ant. 41.

Mesoleius incidens Th. ♂, ant. 37.

Homotropus [illegible] ♂ not std.

Stenomacrus of affinis [illegible] ♀, ant. 24.

9.6.53, cont: (1). Oldstone Ho., KD., cont.

[illegible] 4; none ntd.

[illegible] 2 ♀♀: not ntd.

Bracon [illegible] 2 ♀♀ = B. {macrodactylus ♀, ant. 33, ? = dark var. of variicornis ? see complete [illegible] in old key! AWS 1965.}

B. cf. epi. var. 2 {♀, ant. 25, also possible a ♂ but legs all pale, ant. 27.

[illegible] ♂, not ntd. [illegible] ♂; not ntd.

[illegible] ♂, not seen when labelling in 1965; possibly [illegible] named by Graham!

[illegible] cf. pallipes 3 not ntd. [illegible] tetricus ♀!

[illegible] ♂, with clear wings!

[illegible] nigra ♀, small, ant. 23.

[illegible] fulvipes 2 {1 ntd, ant. 16, ♀ & 2 [illegible]; 1 ntd. = pallipes, small ♀, ant. 22, v. red!

[illegible] cf. cultus, 2 ♂♂, ant. both 23: 1 almost entirely yellow, the other mainly black!

[illegible] ictericus ♀, ant. 32.

Blacus longipennis ♂, ant. 19, also a ♀, ant. 17.

[illegible] sylvella [illegible], ♂, ant. 35.

[illegible] pendulus [illegible]; none ntd.

Bracon [illegible] 2 ♀♀, ant. 40 & 43

[illegible] [illegible] ♂, ant. 30.

[illegible] cf. [illegible] Thoms. ♂ & ♀, ant. 23 & 21: [illegible] diagnosis of ♂ [illegible]!

[illegible] 5 ♂♂ 3 ♀♀ = A. maculipes, 2 ♀♀, ant. 17 & 18: very nice examples!

A. crassifemur, small ♂, with only 23 seg. ant. A. cf. fuscescens, 3 small ♂♂, ant. 20, 22 & 24.}

A. (O.) daemon S. & G. ♀, ant. 18. A. tumida ♂, ant. 21.

9.6.53, (1) cont. Oldstone Ho., KD., cont.

[illegible] [illegible] 1 D. [illegible] 2 D. [illegible] 1 none ntd.

D. [illegible] 1 not ntd. D. [illegible] 1 ntd. D. [illegible] ♂, ant. 34

[illegible] rufipes ant. 41 (?). D. (G.) cf. nigricepes? ♂, ant. 25.

[illegible] centaureae ♀, ant. 11, small example!

[illegible] sp. [illegible] none ntd.

[illegible] 9

[illegible]

[illegible] 2 3. none ntd.

[illegible] 3 [illegible] 1 not ntd.

Taken at 2 [illegible] [illegible] 30 [illegible] 30 P.M.) [6 [illegible] 21/3/65.]

[illegible] ♀ = [illegible] ♀ [illegible] about 100 [illegible]!

Habrocryptus alternator, small ♂, ant. 25.

[illegible] 5 [illegible] ntd.

[illegible] 3. 2 ntd = Mesoleius cf. modestus ♀, ant. 38.

[illegible] 2 = P. cf. [illegible] ♂, ant. 24. P. [illegible] ♂, ant. 29.

Trachistus [illegible] (♂), ant. 27

Promethes [illegible] ♂: not ntd.

[illegible] 2: not ntd.

Bracon [illegible] ♀♀: ant. ♂, 39, ♀♀, 24 & 27: the sp. might be a dark form of [illegible] Nees, AWS 1965

B. [illegible] ♂, ant.

Bracon [illegible] 4 ♀♀, ant. 29, 29, 29, 30 [illegible] all [illegible] length of [illegible] [illegible] unusually narrow & elongate.

9.6.53 (2), cont. Oldstairs Hor, Deal, Kent, cont.

[illegible]; not mtd. [illegible], ♂, ant. 26.

[illegible] 2: 1 ♂ mtd, ant. 16. & 1 other (not mtd.)

[illegible] cf. [illegible] ♂, ant. 25. {Meteorus [illegible] ♀, ant. 32. / M. [illegible] ♂, ant. X.

[illegible] [illegible], large ♂, ant. 36: there may be 2 spp. in this series!

Opius (83.) [illegible] ♂, ant. 38.

O. [illegible] 1; not mtd. O. longicornis auctt. (non Thoms.), ♀, ant. 27. {O. irregularis ♂ ant. 26 / ~~tergite 2 aciculate~~!

O. petiolatus ? ♂, ant. 29. O. nigro-pygmaea sp. n. ♀, ant. 25 {See key to Opius, complete 116 for chief characters. AWS. 26.3.'65. for 2 other ♀♀ see pp. 95 & 97, antea. AWS. 18.4.1965

O. funebris ♂, ant. 22, somewhat [illegible], stigma pale & folded! "

" also another ♂, ant. 21, & 2 ♀♀, ant. both 20.

[illegible] ♀, ant. 27. Adelura flavicentris ♂, ant. 30.

[illegible] angusticollis? 2 ♀♀, ant. both 20. O. cuneatistigma ♂, ant. 26: red tergites 1 & 2, stigma like Aspilota jaculans ♂; [illegible]?

Aspilota sylvatica? 2 ♂♂ ant. 20 & 23. prop. [illegible] at apex [illegible]; A. nemoralis? ♀, ant. 19, also 3 smaller ♀♀, ant. 17, 18, 18.

A. [illegible]?? ♀, ant. 21. A. tibialis?: ♂, ant. 23. A. [illegible], 2 ♀♀ {one with good dimple & 17-seg. ant. / the other smaller, with [illegible] dimple, ant. 17.

A. tumida, large ♂, ant. 23; 2 smaller ♀, ant. both only 17. A. [illegible], ♂, ant. 19; also another ♂, ? this sp., ant. 18

A. (Synaldis) [illegible]? ♀, ant. 17. A. (S.) concolor, 3 ♀♀, ant. 14, 15 & 16.

[illegible] 1, very large ♀, not mtd. [illegible] ♀); not mtd.

[illegible] 1 ♂, 1 ♀, ant. 36 & 40. D. elegantula ♀, dark stigma, ant. 27.

[illegible] in [illegible] group: ♂, ant. 20.

[illegible] 2 ♀♀, ant. 30 & 32.

[illegible] 2 ♂♂, ant. 37 & 43. [illegible] ♀, ant. 38.

Gyrocampa [illegible] ♂, ant. 26 (?).

[illegible] 2: not mtd. Ophion fuscomaculatus sp. n. ♀, ant. 18 {2 others (♂♂) not mtd. ← for another ♀ see p. 98 antea! Also ♀ from Lucan, Co. Dublin, taken on 1.22.6.'45.

near pseudoplatinum but longer 18-seg. ant. & [illegible] head; all [illegible] with black marks on [illegible].

[illegible] 10 ♂ [illegible] 2 ♀♀ [illegible]

[illegible] 2 } one of which may be [illegible] in [illegible] key & the other to nigripennis!

[illegible] 3. } none mtd.

10th June 53. [illegible]

[illegible]

[illegible]

In afternoon [illegible] to Rye [illegible], Co. Kildare & collected by sweeping [illegible]

[illegible] Rye Water, Co. Kildare. [25 mtd. & these labelled 20/3/65]

[illegible] ♀.

[illegible] = Aphelopus [illegible] ♀, small.

[illegible] ♂: 3 mtd. = Hemiteles [illegible] ♀, ant. 20.

[illegible] ♀, ant. 22

[illegible]: a very minute ♂ which seems to belong here; ant. 20.

Exochus affinis Holmgr. (? ♀), ant. 35: agrees well with description!

[illegible] fumipennis ♀, ant. 26.

[illegible] ♂; not mtd.

Gunomeria macrodactyla ♂, ant. 40.

[illegible] 1; not mtd.

[illegible] 6 = {B. fuscicornis ♂, ant. 30. B. [illegible] 2 ♀♀ (ant. [illegible], 27) & 1 [illegible] ♂, ant. 29! [illegible] / B. [illegible] ♀, ant. 29. / B. "sp. 10" ♂ ant. 30

This sp. has very widely [illegible] AWS.

Aspilota [illegible]? ♀ [illegible] 1 ♀.

Meteorus microptera, small ♀, ant. 23. [illegible] ♂, ant. 23.

[illegible] straminicipes ♂, ant. 30 [illegible] error!

[illegible] cyclops ♀, ant. 23 [illegible]? ♀, ant. [illegible] D. [illegible] ♀, ant. 28.

[illegible] 2: only 2 mtd. = Platygaster [illegible]?

~~B~~ Dipteron 1 =

Beetle =

11th June 1953. All sunny, very hot, but with fresh, cool, NE wind along coast in forenoon & SE & gentle in afternoon, but [illegible] in [illegible] on our return at 6 P.M.

Left home, with R. L. Gee at 10.20 AM & drove to the old rly station at Killoughter, on the Murrough, Co. Wicklow, where collected till 4 P.M., had cup of tea & left for home at 4.40.

Collected in three areas as follows:—

1 = Outside railway from Killoughter station to opposite head of The Broad Lough — mostly in shallow flower-filled ditch beside railway & a very few sweeps on edge of sea — too windy [illegible]

2 = Reed bed, [illegible], at head of The Broad Lough

3 = Lane, [illegible], for 1/4 mile W of Killoughter station.

Killoughter, Co. Wl., 11.30 AM till 1.0 P.M.

Taken at 1, outside railway & S. of station. Ichneumon confusor? ♀ (ant. 34)
Hyposoter hyalinatus, ♂, small example!
Bethylus fuscicornis ♀; not std. Phaeogenid ♂, ant. 27 =
Cryptinae 14 (nearly all ♂♂ of Atractodes sp.? of which 1 ♂, 1 ♀ (ant. 24 & 21 respect.) only mounted =

Perilitus seminiger ♂, ant. 48.
Porizontid ♂: possibly ♂ of Leptopygus harpurus, ant. 32.
Meteorus small black sp. ♀ = M. rugipes ♀, ant 23
Campoplegini 5
Bracon 5 = B. transcinctulatum? ♀, ant 28. B. cf. anthracinus ♂; also ♀ but cannot see palpi; (ant. of both 18)
B. variicans m. small ♀ & ♂, ant 32 & 36 respectively; ♂ has darkish legs!

11.6.53, (1), cont. Killoughter, Wl., cont.
Aclastus [illegible]
Perilitus niger nih.: 2 ♂♂, ant. both 28; possibly this is only a var. of aethiops!
Macrocentrus "n. sp.: J. T. Lyle": ♂, ant. 36.
Opius 7 = O. fuscatulum m. ♀, ant 23. O. levis ♂, ant 25, another ♂, ant 24, & a very minute ♂ probably this sp., ant 20; also 2 more ♂♂ ant. 22 & 24.
O. lugens ♂, ant. 21.

Aspilota concinna 2 ♂♂; ant. 22 & 24, the latter a more robust example!
Dacnusa [illegible] = D. [illegible] ?? ♂ ant 26 very small mandibles! Hmm?

Ecphylus [illegible] 6 ♂♂: none std.
Aphidiinae sp.? [illegible] none std.
Proctotrupes gravidator ♂ [illegible]
Chalcidoidea [illegible]

Cynipids 3.
Beetles 2

Taken at 2. The Broad Lough, S of Killoughter. 1.30–2.30 PM
[illegible] ♂ Dryinid ♂ =
Trypoxylon attenuatum ♂♂ settling on [illegible] in reed bed, [illegible], close head of lough: 2 taken [illegible]
This is 2nd Irish record!
Bethylus fuscicornis, ♂: not std.

11.6.53 (2). cont. The [illegible], Wt., cont.

Cryptinae 4; but only 1 ntd. = Pezomachus anthracinus ♀, ant. 21.

Pimpla melanopyga ♂♂ & ♀♀ common [illegible] read, as usual
Ant. of ♂♂ 25(2), 26(3); of ♀♀ 24(2), 25(1), 26(2) & 27(1).
& of various sizes & redness of abdomen. 5 ♂♂, 6 ♀♀ taken; all ntd.

Adelognathus dorsalis ♂, ant. 14.

[illegible] 2: not ntd.

Bracon 4 = B. osculator, ant. 25 (? var. narrower & ½ clear wings). B. fulvipes, ♂, ant. 38.

B. testaceus m. ♀, var. with tergites 4-8 darkened, almost black; ant. 27.

B. cf. [illegible] ♂, ant. 28; a minute example with very dark legs.

Apanteles sp.? ♂, with narrow, truncated, tergite 1, & dark legs.

Opius exilis ♂. ant. 27.

Aspilota (Synaldis) parvicornis m.? ; a minute ♂. ant. broken, large quadrate head, not widened behind!

Dacnusa [illegible] 1♂, 1♀, pale legs: {I think both this species though radial cell very long ~~[illegible]~~ ant. both 21.}

[illegible] cf. [illegible] ♂, ant. 40.

[illegible]   Chalcids

Diptera [illegible] for R.L.C. =

Hemiptera except =

Weevil =

Taken at 3. Lane &c to station 3.0 till 4.0 P.M.

Cryptinae 4; only one ntd = Leptocryptus cf. alter Kerrich; ♀, ant. 27.

11.6.53. (3). cont. [illegible], Wt., cont. Lane, &c

Pimpla cf. melanopyga ♂. [illegible]; ant. 35; very elongate & dark example?

Campoplegini 3; only 1 ntd. = [illegible] ♀, ant. 19.

Bracon 3 = B. [illegible] Thom.? ♀, ant. 35; ♂, ant. 38.

{In my opinion spiracles of tergite 2 are behind the middle, & will therefore run in Schmied. to Idechthis! AWS}

B. undulatus m. ♀, ant. 29.

Apanteles 1 not ntd.   Microgaster cf. globatus, ♀.

Euphorus [illegible] 2: not ntd.

Centistes [illegible] 2 ♂♂: not ntd.

Macrocentrus collaris ♀, ant. 30.

Opius [illegible] ♀ & [illegible] =

Trachyusa aurora ♂, ant. 29.

Aspilota 3 = A. [illegible] ♀, ant. 20.   A. [illegible]: very small ♀, ant. 16. {Also [illegible] legs, ant. 21, [illegible] be this species}

Dacnusa [illegible] 2 ♂♂

= D. humeralis m. ♂, ant. 36; cf. 2 example taken here on (2) 15.8.1951.

D. (G.) [illegible] ♂ ♀.

[illegible] rufipes [illegible], ♂, ant. 45.

Aphidiidae =

Chalcids =

Beetles = [illegible]

13th June 53 [illegible]
[illegible]
[illegible]
[illegible] = D. cf. albicornis Thoms. ♀; ♂, ant. 44
[illegible] Dolerus [illegible] [illegible]

14th & 15th June 1953 Dull, drizzly & cold. Also 16th.
17th June. A nice day with some sun. In forenoon saw 2 ♀♀ of Bombus pratorum in J.P. Brunker's garden, Grosvenor Place, Rathmines, at the blue flowers of a labiate shrub (Teucrium sp.) In afternoon drove to Tinnehinch & walked up to Cupidstown Hill Co. Wi & Kd). Did not collect.
18th June A very nice day with considerable sun & much warmer. In afternoon drove to Manor Kilbride, Co. Wi, & collected by sweeping in the triangle between the three roads, more or less, especially along the road on S. side of triangle, but virtually nothing taken in the quarry.

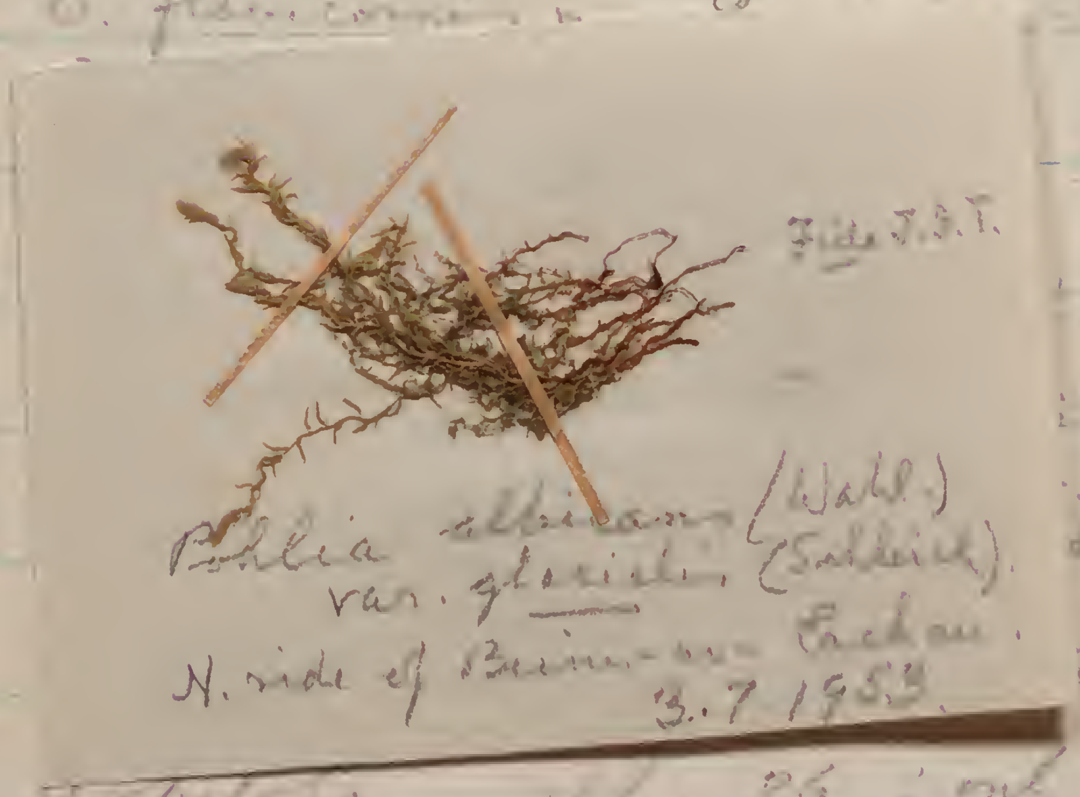
Manor Kilbride, Co. Wi. 3.30 – 5.0 p.m.

Anthon[illegible] ♂ A [illegible] ♀. [illegible]
Tryphonid [illegible] mostly ♂♂ – [illegible], [illegible], [illegible]
& [illegible]: only [illegible] = [illegible] cf. pumilus?? small single ♂, ant.
[illegible] ♂. [illegible]
Catoglypta portipes 1♂, 1♀. [illegible] ant. [illegible], Plectiscus sp.
Promethes pulchellus ♂ [illegible]. Mesoleius [illegible] ♂, ant. 32.
Trichiolestes ♀: runs to pallidipes, but ?. Ant. 23.
Stenomacrus ♀.
Plectiscus spp. 2 ♂♂. Aperileptus ♀ ♀

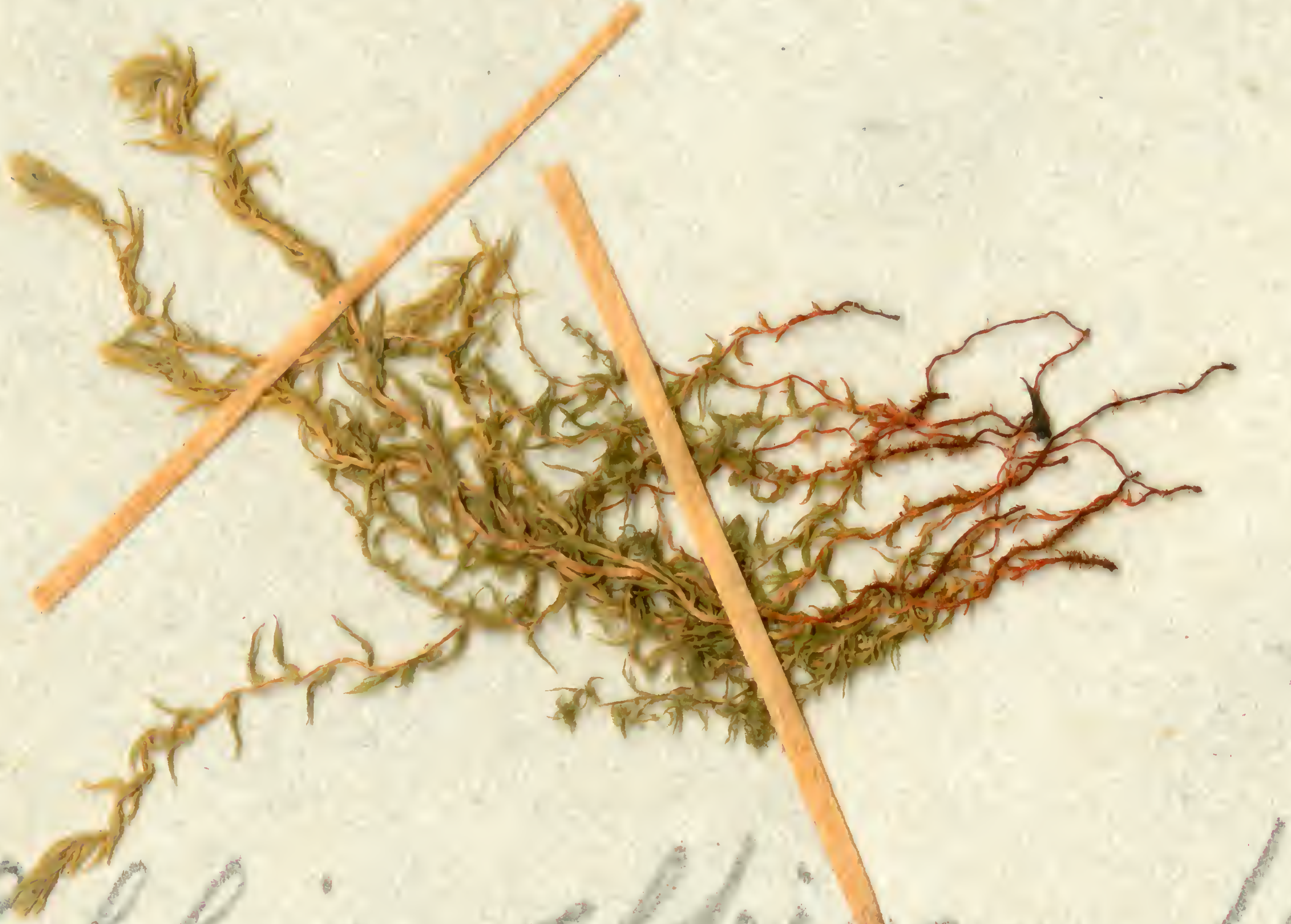
18.6.53 cont. Manor Kilbride, Wi. cont.

Euphorus: 3 with [illegible] & longer head & longer ant.; & would [illegible] ♂ of same sp. as the other [illegible] (?) ♀♀ but for the fact that sculpture of [illegible] seems different & more shining in No. 1 (♂ ?).

Bracon epitriptus, var. 1♂ ♀; ant. only 27.
Eu[illegible] 3 ♀♀: ant. 33, 37 & 37.
Apanteles sp. triangulator & fulvipes 5 (♂ & ♀)
Ascogaster [illegible] & [illegible] longipennis ♀, ant. 17
Euphorus pulchripes?? common (♂ & ♀) & 1 [illegible] with [illegible]?
E. flavicornis [illegible] Ant. 22 {ref. ♂ taken here on 27.5.53 p.86 antea.


Fide J.S.T.
Pohlia albicans (Wahl.) var. glacialis (Schleich).
N. side of Brinn-na-Eachan.
3.7.1953.

[illegible] & sp. [illegible] 2; & others
[illegible] xanthogaster m. ♂, ant. 34.
[illegible] notauli very distinct at shoulders, but short!
[illegible] 35, hind [illegible]] Perilitus [illegible]
[illegible] 2 ♂♂
Aspilota spp. 26: only 6 named. = A. [illegible]? or [illegible], ♀, ant. 18, [illegible]! O.W.S.
A. diversa S. & G. ♀, ant. 21. A. sp. [illegible]? ♀, ant. 22.
A. [illegible] ♀, ant. 21. A. xanthogaster m. ♂, ant. 34.
Orthostigma maculipes ♀, ant. 18; also a ♂ [illegible], but with [illegible] stigma darkened, & is [illegible] of maculipes, ant. 18.
Dacnusa pubescens, 1 [illegible] ♀. D. [illegible]!
D. gilvipes 1♀. D. [illegible] 2♀; & [illegible] others —
D. senilis 2♀♀, ant. only 27 & 28. D. [illegible], ♀, small, ant. only 32.
D. [illegible]? ♂, ant. 32. D. aphanta ♀, ant. 25: [illegible]! {abnormal [illegible] 2.3.
D. striatula ♀, ant. 26.
Monoctonus caricis 1♀. Aphidius spp. 6 ♂♂
Synopeas 4.
Chalcids 5.



Fide J.S.T.

Pohlia albicans (Wahl.)
var. glacialis (Schleich).
N. side of Beinn-an-Eachan.
3.7.1953

109.

14th & 15th June 1953. Dull, drizzly & cold. Also 16th.
17th June. A nice day with some sun. In forenoon saw 2 ♀♀ of Bombus pratorum in J.P. Brunker's garden, Grosvenor Place, Rathmines, at the blue flowers of a Labiate shrub (Teucrium sp.)
In afternoon drove to [illegible] & walked up the Cupidstown Hill, Co. Wi & Kd. Did not collect.
18th June. A very nice day with considerable sun & cool winds. In afternoon drove to Manor Kilbride, Co. Wi., & collected by sweeping in the triangle between the three roads — & most especially along the road on S. side of triangle, but virtually nothing taken in the quarry.

Manor Kilbride, Co. Wi. 3.30 – 5.0 p.m.

Anteon ♂. A. ♀. [illegible]
Cryptserphus 18 & mostly ♂♂ — Phygadeuon, Mesoleius, Pezomachus & [illegible]: only 1 noted = Pezomachus cf. pumilus?? small wingless ♂, ant.
[illegible] ♂. [illegible]
Cataglyptus fortipes 1♂, 1♀. & [illegible], black femora.
Promethes pulchellus ♂ [illegible]. Mesoleius [illegible] ♂, ant. 32.
Triclistus ♀: near to pallidipes, but ?. Ant. 23.
Stenomacrus ♀.
Plectiscus spp. 2 ♂♂. Aperileptus sp. ♀

18.6.53. cont. Manor Kilbride, Wi. cont.

Euphorus: 3 noted. of which the large head & longer ant. & [illegible] [illegible] ♂ of same sp. as the other & [illegible] (?) ♀♀, but for the fact that sculpture of propodeum seems different & more shining in No. 1 (♂?).

, [illegible] exstirpatorius, var. [illegible] ♀; ant. only 27.
Exetastes [illegible] 3 ♀♀: ant. 33, 37 & 37.
Apanteles of [illegible] & [illegible] 5 (♂ & ♀)
[illegible] & [illegible] large [illegible] ♀, ant. 17
Euphorus pallipes?? several (♂ & ♀) & [illegible] with [illegible] ?
E. flavicornis m. ♀. [illegible] & antennae. Ant. 22. {cf. ♂ taken here on 27.5.53 p. 86 antea
Opius [illegible], & cf. [illegible] 2, & [illegible]
= O. exilis ♀, ant. 25. O. xanthogaster m. ♂, ant. 24.
O. funebris, v. small ♀, ant. 20; notauli very distinct at shoulders, but short!
Alysia tipulae, var. ♀, ant. 35, hind tibiae dark at apex!] Pentapleura [illegible]
Aphaereta sylvia, large ♀, ant. 29 & [illegible] 2 ♂♂.
A. [illegible] spp. 26 in all, 6 noted. = A. fulvipes? or [illegible], ♀, ant. 18, propodeum partly smooth! ANS.
A. diversa S.&G. ♀, ant. 21. A. sp. perhaps near [illegible]? ♀, ant. 22.
A. pruna ♀, ant. 21. O. xanthogaster m. ♂, ant. 34.
Orthostigma maculipes ♀, ant. 18; also a ♂ [illegible], but with [illegible] stigma thickened, as in normal ♂ of maculipes, ant. 18.
Dacnusa pubescens, 1 [illegible] ♀. D. [illegible] 1
D. pilipes 1♀. D. [illegible] 1♀; & nine others —
D. senilis 2 ♀♀, ant. only 27 & 28. D. [illegible], ♀, small, ant. only 32.
D. [illegible] ? ♂, ant. 32. D. [illegible] ♀, ant. 25: pale femora! abnormal [illegible] 2-3.
D. striatula ♀, ant. 26.
Monoctonus caricis 1♀. Aphidiinae spp. 6 ♂♂.
Cynipoidea 11.
Chalcids 5.

110.

18.6.53, cont. Manor Kilbride, Wi., cont.

Proctos. [illegible] = Paroxylabis semirufa ♂.

Pantoclis? 2♀♀, but perhaps = 2 species! Disogmus ♂.

[illegible] of 3, ♀ = brachypterus Th. with wings longer than usual!

Aneurhynchus sp. No. 2, ♀

Beetle. Sylpha 4-maculata, with bits out of elytra but not injured.

Hemiptera 4.

Psocid 1 with strongly maculate wings =

19th June 53. A very nice day – especially in the afternoon when we drove to Ballymakaily Bridge over Grand Canal, Co. Dub., & walked up the canal to Gollierstown Bridge & Pond. Swept round the pond SW of the bridge for an hour, but very few Hymenoptera except at W. end of the 3rd pond – i.e. W. of the wire fence. J. & B. were with us, these both [illegible] did no hunting. Stopped on return journey to show Brendan the Bee Orchid in old quarry N. of Clondalkin & opposite St Joseph's monastery. Here saw nearly a dozen flower spikes of it & also saw it on both sides of the canal along [illegible] N.W. side below Gollierstown Bridge

[17 mtd & these labelled 8.3.1965]

19.6.53, cont. Gollierstown, Co. Dub., cont.

[illegible] of [illegible] Orthopelma [illegible], [illegible], Phygadeuon, Exolytus & [illegible] only, 1 mounted =

Pezomachus gonatopinus? wingless ♂, ant. 24.
[illegible] curvicaudatus ♀, ant. 24.
} none of the other Ich. mounted!

[illegible] 1 [illegible] ♂

[illegible] sp. ♂.

Bracon fulvipes ♂ & [illegible] = B. cf. undulatus m. ♀, ant. 29.

B. hispiterga m. ♀, ant. 28 & ♂ ant. 34

B. cf. foveola Thom.?? ♂, ant. 32: only ♀ described by Thomson, p. 1819.

[illegible] of

[illegible] gracilis [illegible]

Opius singularis 2 O. [illegible] 3 & 3 [illegible]

O. rudis, 1♂, ant. 30 & 1♀, ant. 28, very nice specimens!

O. funebris, large ♀, ant. 23.

Pentapleura pumilio 1♂, 2♀♀. Phaenocarpa picinervis [illegible]

Phaenocarpa eunice Hal. 2♀♀ at W. end of 3rd pond & 1♂ at east end of 1st big pond near canal & 5 or [illegible]

Phaenocarpa picinervis ♂, ant. 31: venation dark but not blurred as usual!

Dacnusa (G.) miodes ♀, ant. 26. D. (G.) [illegible] 2♂♂ {1♂ mtd. has ant. 26-27.

Chaenusa conjungens 2♂, 7.

Coelinius [illegible] a giant ♂ "Long leg lad", ant. 68.

Trioxys cf. angelicae ♂ Aphidius sp. 7

Proctos. 2 Chalcid. 2 Cynipid. 3

Clegs = Haematopoda 7.

22nd June 1953. A very hot, fine sunny day, with no wind, after a warm, after a hot day. Left home at 11.30 a.m., with J. P. Brunker, & drove to Newbridge, Co. Kd. Left car on Newbridge – Rathangan road 1 mile N.W. of Newbridge & walked SW. side of the great marsh which drains N.W.wards into the Slate River & between Grange Hill & Hill of Allen & feeds above the Grand Canal. At the [illegible] a couple of weeks ago on a D.N.F.C. excursion a member (Mr P[illegible]) found the Fly Orchis (a [illegible]) & Brunker wanted to see it but didn't know where to look & thought it rather too late in season.
At any rate he did not find it. The vegetation rich in sedges & there [illegible] acres of Cladium, Schoenus, Carex paludosa, hudsonii, goodenowii, disticha, [illegible], panicea, flacca (only margin) stellulata & lepidocarpa & ovalis. Also seen were Eriophorum latifolium, Stellaria uliginosa in the marsh & [illegible] outside a rabbit burrow on the moraine N. of the marsh & ½ mile N. of the railway. Swept & got insects in lane & fields N of the marsh & many in various places at E. end of the marsh. Small Hymenoptera (Chalcids & Proctos) in very great quantity but Braconids not common & were probably too hot.

"moraine with rabbits"

22.6.53, cont. Marsh, [illegible] of Newbridge Co. Kd.
[26 labelled on 4.3.1968 & 1 already labelled in 1953.

[illegible] flavoguttata ♀. Exolus → = E. [illegible] ♂.
[illegible] typical ♀.
Ichneumonid ♂♂ etc.
Phaeogenid ♂.
Cryptinid ♀.

Phthorima compressa ♀, ant. 20.
[illegible] melanopyga ♂, ant. 26.
Plectiscidae ♀.
Tryphon signator ♂.
Megastylus ♀.
Stenomacrus [illegible] ♂, ant. 22.
Polyblastus pastoralis ? ♀, ant. 27.
Homocidus ([illegible]) compressus ♀, ant. 20.
[illegible] ♂; not mtd.
[illegible]
Phaeogenid ♂ = Eustenyx oligomera ♂, ant. 18.
[illegible] ♀ [illegible] ant. 17
Bracon fulvipes, 8 (♂ & ♀) & 4 other Bracon
= B. undulatus m. ♀, ant. 28 + (broken!).
B. praestator ♀, ant. 26; ♂, ant. 32.
B. fulvipes 1 very small ♂ only mtd.; ant. only 21.
Rogas irregularis 2 ♀♀. Ascogaster of plebeius ♂ & ♀
Hormius moniliatus 13 ♂♂, ♀: 1♂, ant. 26; ♀ ant. 19; only mtd.
Meteorus [illegible] ♂; not mtd. M. ictericus ♀, ant. 32.
Blacus tripudians ♂ Opius cf. exilis Hal. 1♂, ant. 25.
Alysia contracta ♀ Chasmodon apterus ♂, ant.?
Phaenocarpa conspurcator ♀, [illegible]!
Aspilota dentifemur ♂, ant. 22.

115.

"[illegible]killer"

22.6.53, cont. Near N. of the bridge, KD, cont.

Dacnusa [illegible] ♀. D. laevipectus 3 ♂♂ & [illegible]

D. (R.) coracina m. ♀ (paratype!); ant
& [illegible] broken off.

D. lugubris? 3 (? sex: possibly all ♂♂); ant 33, 36 & 37. — in box near curtipalpis!

D. sp.? ♀, ant. 20: thorax shining & glabrous, tergite I almost hairless.

Chaenusa conjungens 2 [illegible]. Chorebus anceps 2 ♀♀.

Coelinius n. of Stig? 2 ♂♂, ♀; ant. ♂♂ 39 & 41, ♀ bitten off short.

Trionyx parvicornis m. ♀, ant 11. Aphidius sp. ♂

Proctos 12, only 1 mtd. = Acropiesta rufiventris ♀

Chalcids 12 (including 2 Mymarids).

Cynipids 2

Diptera: Stratiomyid =

Beetle:

25th June 1953. Left Dublin in great heat by 5.30 P.M. train for Belfast & crossed to Glasgow, where ship berthed at 7.30 A.M. on 26th. We caught 8.0 A.M. train to Killin & arrived at latter place about 10.30 A.M. Very hot & humid.

Went immediately to the row of lime trees E. of the wooden bridge across R. Lochay on road leading to Killin Pier & started collecting & had lunch at 12 noon by which time three thunder storms had appeared & we had to return to station.

SCOTTISH TRIP 1953.

26th June 1953. Collected in two areas between Killin & Killin Pier (until thunder storms interfered) as follows — 1 = under lime grove E of R. Lochay
2 = a marshy pond on flat S of railway to pier, ¼ mile E of Killin.

Taken at 1. (under lime trees), 11.30 till 12 noon. Very warm & humid; E breeze.
[2 mtd from 1 on those collected 26-6-1953.]

[illegible] ♀

[illegible] ♀ [illegible]

[illegible] ♀ [illegible] = [illegible] [illegible] ♀, ant. 18.

[illegible] ♀ [illegible] [illegible]

[illegible] ♀ [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ♂ & ♀ [illegible] [illegible]

[illegible] ♀ = D. [illegible] [illegible], ant. 25.

[illegible] 3 ♂♂, [illegible], ant. 21, 22 & 23, 1 ♀, [illegible], ant. [illegible]

[illegible] 2 ♀♀, ant. 19 & + 16 (bitten off). [illegible] ♀, [illegible]

[illegible], [illegible], ant. 18. [illegible], very small ♂, ant. 21

[illegible] 2 [illegible] D. [illegible]

D. sp. [illegible] ♀, ant. 24.

Aphidius sp. ♂, ant. 18.

Proctos. 17, mtd. [illegible] ♂

[illegible] 8, not mtd.

26. 6. 53. cont.   Killin, M.P., cont   [12 [illegible] 30. 6. 53.]

Taken at 2. ([illegible] 5 [illegible] ; 2 [illegible] ; 11.30 [illegible]).

Dryinid ♂, small.

Cryptinid [illegible] ♂ [illegible] = Exetastes sp. [illegible] Aug. 1958.

[illegible] ♂ [illegible] Ant. [illegible]

Stilbum [illegible] ♀ [illegible] ant. 19   Abrostola [illegible] ♂ ant. 22.

Hemiteles [illegible] ♂ [illegible] ant. 21   [illegible] ♂ [illegible] ant. 22

Exetastes [illegible] ♂ ant. 20.

Bremus [illegible] 1♂ + ♀♀ not [illegible].

[illegible] ♂ [illegible] Ant. 35   [illegible] 1953.

[illegible] 6♂♂, 1♀ all taken [illegible]

[illegible] E side of [illegible]

[illegible] ♂ [illegible] ant. 42 [illegible]

[illegible] ant. 44.

[illegible] 2: not [illegible]   Aphidius [illegible] ♂ ant. 30, [illegible]

[illegible]

27th June 53   A very fine, very warm day after a [illegible] morning; nearly all [illegible] after 2 P.M. [illegible] walked up E. bank of the Allt a' [illegible] to head of Lochan na Lairige, seeing on the way the [illegible] & Salix [illegible]; the latter on cliff just below & E. of the waterfall at top of lower gorge & the [illegible] on E side of upper gorge 100 yards below the [illegible] tree. Found the [illegible] Rock

27. 6. 53. cont.   Lochan na Lairige, M.P.

[illegible] — [illegible] Mr [illegible] — [illegible] of the [illegible] near W end of [illegible] when the [illegible] in [illegible]. Also saw Carex [illegible] of the [illegible] from the [illegible] flowering [illegible] small plant of [illegible] alpina [illegible] patch of Pyrola [illegible] only one flower spike just about to open. [illegible] Gentiana [illegible] on the cliffs but otherwise [illegible] seen [illegible] Salix arbuscula, [illegible] of Carex capillaris, [illegible] Erigeron [illegible] only 2 patches of [illegible] & [illegible] facing E at foot of gullies.

[illegible] NW. of head of [illegible] different habitats.

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Sunday

26th June 1952. A very hot day after a misty night & early morning. All sunny. In forenoon except for a time, 11·30 – 12·30, [illegible], in glen of tributary of the Lawers burn below the road at Lawers.

Glen, Lawers, M.P. (1) [3 genta & these labelled 6.9.1952]

Tenthredo 1 ♀. ♂ Dolerus [illegible] & ♂

[illegible] ♂ [illegible] ♀

[illegible] ♀ [illegible]

Ichneumonid ♀ (damaged) =

Phaeogenid : not std.

Cryptinid 16 ; none std.

Tryphonid 5 : 2 [illegible] ♀♀ only [illegible] =

[illegible] ♀, std. 27.

[illegible] ♀, std. 22.

[illegible] 1 ; not std.

[illegible] : not std.

Bracon ♂ : not std.

Euphorus sp. [illegible]

Pimpla sp. [illegible] ♀, std. 22.

P. sp. [illegible] ♂ std. 27.

Large ♀, std. 33 = pallipes?
♂ std. 24 = pallipes?
small ♀, [illegible] & [illegible] too small for pallipes = sp.? std. 22.

= (1)

28·6·52, contd. Lawers, M.P., contd.

[illegible]

[illegible] ♀, std. 35.

[illegible] sp. of [illegible], std. 33, 35 & 36.

O. [illegible], small ♀, [illegible] large ♂, std 22. O. (B.) [illegible] ♀, 36.

Phaeogenes [illegible] ♀ [illegible] [illegible]

[illegible] ♀, std. 37

[illegible] ♀ [illegible] ♀, std [illegible]

[illegible]

[illegible]

[illegible] ♀, std. [illegible]

[illegible] 2 ♂♂, std. 30 & 32.

[illegible]

[illegible]

D. [illegible]

D. [illegible] ♂ std. 27.

D. [illegible]

[illegible] 3. none std.

[illegible] 19 none std.

[illegible] ♀ [illegible]

Cynipid 1 not std.

[illegible] : not std.

Beetle 3 : not std.

28.6.53 cont. In afternoon 5.0 till 6.30 P.M. swept the glen at Lawers & covered almost exactly the same ground as in forenoon, but also swept margin of very weedy hay-field E. of the wood.

Glen at Lawers, M.P. afternoon

Ichneumonid 8 ♀ [illegible] [4 with 2 others labelled Sept. 1953.] [Other [illegible] 2 labelled, but [illegible]] [illegible]

Phaeogenes? 1 ♂ ? Not [illegible].

Cryptinae [illegible] 2 [illegible] = Pezomachus sp. [illegible]

Hemiteles sp. ♀ [illegible]

Promethes cognatus ♂ ext. 24. P. sulcator ♀ ext. 26.

Bassus 5: [illegible]

Microleptes sp. [illegible] ♀ [illegible] ext. 33. [illegible]

[illegible] sp. [illegible] ♂ ext. 26.

Orthocentrus sp. [illegible] ♂ ext. 38.

Mesoleius sp. ♂ ext. 22

[illegible] sp. ♀ ext. 40.

[illegible] ♀ with long [illegible]

= Allomacrus pimplarius ♀ ext. 21.

Bracon[illegible] sp. ♀ ext. [illegible].

28.6.53 (2) cont. Lawers, M.P. cont.

"[illegible]" [illegible] ♂, ♀ + [illegible] [illegible]

[illegible]

Bracon [illegible] [illegible] ♀ ext. [illegible]

Euphorus sp. [illegible] ♀ [illegible] ext. 20

[illegible] ♀ [illegible] ext. 20 [illegible]

[illegible] [illegible] [illegible] ♀ ext. 27.

Opius [illegible] ♀ ext. [illegible]. O. [illegible] ♀ not old.

O. [illegible] ♀ ext. [illegible] very [illegible] typical [illegible]

[illegible] O. [illegible] ext. 22

[illegible] ♀ ext. [illegible] [illegible]

Alysia [illegible] ♀ ext. 40. [illegible] ext. [illegible]

[illegible] 2 ♂♂ 1 ♀, [illegible] 21; [illegible]

[illegible] ♂ not [illegible].

[illegible] ext. 17 [illegible] = [illegible] ♀ ext. 18.

A. [illegible] ♂ ♀ ext. 24. A. [illegible] ♀ ext. [illegible]

A. cynipidis 2 ♀♀ ext. 17, 17 = 18.5. A. funereus [illegible] ♀ ext. 16.

A. [illegible] ♀ ext. 15. cf. a second ♂ from Kinross, (1) 2.7.53.

A. [illegible] ♂ ext. 25, [illegible]

Bracon [illegible] 3 ♂♂ 1 ♀ [illegible] 2 large ♂♂.

[illegible]

[illegible] (15) [illegible] ext. 34

[illegible] ♀ ext. [illegible]

28-6-53 cont. Lawers Glen, M.P., afternoon cont.
Dacnusa 25 ♂♂ 10 ♀, ant 40; 17, ant 77.
D. [illegible] ♀, ant 30.

[illegible] of [illegible] ♀, ant. 28.
Aphidius [illegible] 1 ♀ ant 13 of [illegible] Toxotoma [illegible] ♀ ♂ not [illegible]
Proctos. 17, including 1 ♀ Belyta with [illegible] and Disogmus ♀ not mounted.

Chalcids: 5 none [illegible].

29th June 1953. After a misty night & early morning a blazing hot day with E. breeze after 10 AM. [illegible] Brian & I walked up the Lawers burn, & had lunch at 1.15 at head of burn on bank. After lunch went up & [illegible] of the burn & below Craig an [illegible] ('Raven Rock') & turning S. went down onto boggy shelf to collect Sandwith's 'mysterious Sedge' which I discovered here last year with R.D. Meikle; found it, ♂ & ♀, in quantity [illegible] near [illegible], [illegible] and Carex saxatilis & C. = Carex saxatilis montana forma fide Nelmes! dioica, & sent specimens the following day to Grant Roger & Duncan Poore ([illegible]) who both agreed it was not dioica!! Also sent —

29.6.53 cont. Ben Lawers, M.P., cont.
a good series of both sexes to N.Y. Sandwith at Kew. Finally came home over the summit of Ben Lawers, seeing Sagina nivalis (15 specimens) [illegible] & [illegible] in the usual place S.E. of the summit, & [illegible] [illegible] — a [illegible] by Grant Roger a few days earlier. Saw also all the usual plants Erigeron, Veronica saxatilis, Chrysosplenium alternifolium (in bog in [illegible]). On wet rocky slope [illegible], below the Stone, [illegible] [illegible] sedge of [illegible] which may be [illegible] the station of Dr Elizabeth Davies. (Yes! fide Nelmes!!) [illegible] a great colony at [illegible] [illegible] the Lawers Burn at 11 AM, [illegible] [illegible] the [illegible] (males) seen — 1952!

30th June 1953. A similar day to last — misty in early morning with blazing sun all day afterwards, but E wind much stronger. Drove to Grant Roger to Rannoch Moor, via [illegible], Kinloch Rannoch & the [illegible] of Rannoch to Rannoch Rly. Station & then went [illegible] S.W. of [illegible] to a swampy pool — nearly filled up — where Scheuchzeria grew abundantly & also Carex limosa, C. [illegible], C. rostrata, C. [illegible], Drosera anglica, & a little further on near a small [illegible] plenty of C. pauciflora —

25. 6. 53, contd. Rannoch cont.
Swept for a minute under birches at Rannoch station &
took one Ich. & one Braconid only :— [illegible] ♂ ant. 21.
[illegible] possibly. ant 19.
& swept [illegible] crossing the moor towards the
[illegible] — mostly amongst Bog Myrtle — but the only thing
of interest taken was a ♀ Orgilus? [illegible] 15)
a stone-fly & a small jumping beetle. [illegible]
[illegible] in great abundance.
Trichiosoma ♀ taken on railway under birch & rowan
= T. latreillei Leach (Benson)." Tabanid fly = [illegible]
Large Heath Butterfly very common on Rannoch moor.
[illegible] [illegible] on Rannoch [illegible].

1st July 1953 Equally hot & sunny after a cool misty forenoon. Went with Marcus Graham by 9.35 bus to Killin, but in haste forgot net so had to return to Lawers for it & only reached Killin again at 12.00 noon, [illegible] meantime spent an hour in the glen at Lawers (=1). On arrival at Killin went down the road to old pier, found M.G. & had lunch under trees S. of road crossing, & later swept around the pools (=2) & later still swept under the trees just E. of the wooden bridge over R. Lochay (=3) where M.G. had swept before noon.

[32 mounted & then labelled Sept. 1953]

1.7.53, cont. Glen below road at Lawers, M.P.
Insects taken at 1. 10.30–11.30 am, [illegible] [illegible] ♂
Phygadeuonid? ♀ ant. [illegible]
Cryptinid ♀, none [illegible]

Stenomacrid ♂, ant [illegible].
Mesoleiid? ♂: one [illegible] = [illegible] ♂ ant. 38

Tryphonine? ♂ ant [illegible].
[illegible] ? = [illegible] [illegible] 7 (♂ & ♀): [illegible] ant. 30, 30, 32, 33, 33 & 35
= [illegible] [illegible]

Homocidus pectoratorius Grav. ♂ ant [illegible].
Orthocentrus protuberans? ♂, ant 19. Stenomacrus [illegible] ♂ ant. 22
Mesochorus ♀ ant [illegible]
Exetastid ♀ = Colastes braconius very small ♀, ant. [illegible]
Bassus tuberculatus ♀ [illegible] Dinotrema [illegible] ♀ [illegible]
Opius [illegible] Hal.? ant 33. O. [illegible] = 1 ♀ ant 35.
O. of flavicornis ♀, ant 26. O. of communis [not stretched] 2 ♀♀, ant 24?
Orthostigma [illegible] ♂, ant 22.
[illegible] [illegible] ♀, ant. 18.
Also a small ♂ & 2 very small ♀♀, ant. 22 (♂), 16 & 17 (♀♀) probably only stunted specimens of same species.

1.7.53, (1), cont.   Glen Lawers, M.R., cont.

Dacnusa petiolata 2 (♂ ent. 41, ♀ ent. 42). D. [illegible] 4, large, not std.
D. [illegible] & D. [illegible] [illegible]. D. [illegible] 3 large.
none std
Aphidiid 1 ♂: not std.
Proctos. 15 + several internally: none std.

Chalcid & Cynipid several: not std.
Beetle 1 (in [illegible]): not std.

1.7.53, cont.   On flat S. of railway between Killin & Loch Tay
Taken at 2 {1.20 till 2.20 P.M. along drain & under rushes by the pond (or pool) as on (3) 26.6.53 & (3) 15.7.1952.
[36 ent'd & labelled Oct. 1953]
Dryinid ♂: not std.
Ichneumonid ♂: [illegible] cf. [illegible], ent. 37.
Cryptinid: [illegible] 3c & a red ♂ with very open areolet & red abd., of which tergite 1 strongly keeled: L. [illegible] 7-8 mm.
very common [illegible] & [illegible] =
[illegible] ♀, ent 19.
[illegible] ent 23 =

Glypta [illegible] 2♀♀ [illegible] Pimpla [illegible] ♀ [illegible]
Mesoleptus [illegible] of dark ♂ = [illegible] [illegible] ♀, [illegible]
Promethes pulchellus ♂ [illegible] Homotropus [illegible] 23 ♂ not std.

1.7.53 (2), cont.   Killin, M.R., cont.
[illegible] ent. 32 [illegible]
[illegible] ♂ [illegible]
Bracon fulvipes ♂, 2 ♀♀. ♂ (ent 28) & 1 ♀ (ent 33) [illegible] std.
Colastes braconius, small ♀, ent [illegible]
[illegible] ♀ ent. 41. [illegible], 5 ♂♂, ent. 32, 33(3) & 34.
[illegible] cf. rufipes 3 ♀♀, not std. [illegible], not std.
Agathis "non. anglica" 5 ♂♂, 1 ♀. 1♂ (ent 34) & 1♀ (ent. 35) std.
Centistes lucidator, ♂, not std. Dacnusa [illegible] ♀ ent 32
Opius spp. 2: only one std. = O. [illegible] ♂ ent 33.
Microcarpa nitida Th. (= truncata Stelfox) 5 ♂♂, 3 ♀♀, var. with testaceous clypeus (like [illegible]), ent. 39, 40, 41(2), 42 (♂♂); 31(2), 33 (♀♀).
Aspilota cf. [illegible] 1 ♀, var. with [illegible], ent 16.
A. cf. [illegible] 3 small ♂♂, ent. 22, 22 & 23.
Proctos. 5: none std.
Chalcid 8: none std.
Diptera 3, including 1 Pipunculid for [illegible] L. Coe.

Weevil 1 =

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1.7.53, cont. Killin, M.P. (under lime trees).
Taken at 3. 2.20 – 2.30 P.M.
Cryptinid ♀, rubbed, [illegible] Phygadeuon
& then only mounted = Phygadeuon cf. gravenhorsti ♀, ent 19.

Mesoleiid ♂ = Mesoleius cf. [illegible] Holmgr. ♂ ent. 37.
Stenomacrus (minutus) cf. pusillus Holmgr. ♀, ent. 17
Mesochorus sp. [illegible] ent 19
Exetastid ♀, large = [illegible] politus [illegible], ♀, ent 38.
Apanteles fulvipes group 1, not std
[illegible] 1♂, 1♀, not std
[illegible] ♂, ent 36
Opius [illegible] Th. 2♂♂, ent. 40 & 41. O. cf. nigrescens ♀, ent. 20+.
O. cf. nigrescens Hal., but tergite 2 mainly aciculate, ent. 37. [illegible] not elongate, sternauli depressed, [illegible] smooth!
[illegible] sylvica ♀, ent. 35.
[illegible] Str. G ♀, ent. 15. A. [illegible] Th. ♀, ent 22
A. cf. [illegible] 2♀♀, ent. 21 & 23, but legs rather paler [illegible]?
A. [illegible] ♂, ent. 24, cf ♂ from Lawers, 12/28.6.53. A. (Synaldis) cf ♂ ent. 23, [illegible]
[illegible] ♀, ent 43. D. [illegible]
Proctos. ♀: none std.

Chalcids ♀: none std.

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1.7.53, cont. Lawers, M.P., evening = 1.7.53 (4).
In hotel in evening, took [illegible] ♀ [illegible] on window in sitting room.

2nd July 1953. Another hot sunny day after a misty morning, but not quite so hot, except in shelter, with fresh E. breeze blowing all day, after morning.
Took (Daisy & I) 10.30 AM bus to [illegible] Bridge & walked to Taymouth Castle [illegible] left bank of R. Tay below Kenmore, Mid Perth. Collected with three sweepings as follows: – 1 = [illegible] under oaks, & along the bank [illegible] parallel to R. Tay, where also [illegible], alder, oak, Heracleum, & much Epilobium ('Rose Bay'). 1.30 till 2.0 PM
2 = same ground [illegible] direction 2.0 till 4.0 PM
3 = marshy ground below high steep bank of [illegible] course of R. Tay 4.0 – 4.15 PM. All labelled Kenmore!
Met [illegible] & Mona [illegible] in beech wood at 1 P.M. for lunch & returned with them [illegible] 5.15 bus from Aberfeldy back to hotel at Lawers.

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6 mounted from 1 & labelled on 20.10.1953

2.7.53 cont. Taymouth & Kenmore MS cont.

[illegible] Halictus rubicundus [illegible] & Sphecodes [illegible]

[illegible] ♀♀ [illegible]

[illegible] et [illegible] not mtd.

[illegible] ♀, [illegible]

Sawflies 3 = Tenthredo [illegible] ♀ Athalia [illegible] ♂

[illegible] ♀

Bryonid 8 [illegible] 3 mtd, [illegible] 2281

Ichneumonidae 2 : [illegible]

Cryptinae 10 : 3 mtd = [illegible] cf. [illegible] ♂, ant. 22.

[illegible] (Hyperacmus) cf. 1♂ & 3 ♀♀ (pinned)

[illegible] cf. ♀, small (pinned).

Polyblastus 2 : both mtd = Polyblastus cf. [illegible] (pinned)

& [illegible] ♂ (pinned).

[illegible] cf. ♂ ant. 24 [illegible] ♀, ant. 22

[illegible] ♂, very [illegible], ant. 36

[illegible] 5 [illegible] 2 ♀♀ [illegible], [illegible]

[illegible] ant. all 19

[illegible] ♂, ant. 42

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2.7.53 (ii) cont. Kenmore MS cont.

[illegible] ♀ — Type! ant. 29, very [illegible]

[illegible] inflection

B. cf. ♂, ant. 31+ (broken) [illegible]

[illegible] ♀, ant. 31 [illegible] ant. 34

[illegible] ♀ : not mtd.

[illegible] ♂ [illegible] ♀, ant. 25.

[illegible] 2 ♂♂, ant 23 & 22, presumably the species

[illegible] 2 ♂♂, 1 ♀, ant. broken, 27 & 29 (♂♂), 25 (♀)

[illegible] not mtd. [illegible] not mtd.

B. longipennis ♂, ant 19 [illegible] ♂ ant. 25

[illegible] ♀ not mtd. O. cf. [illegible] ♂, ant. 22.

Alysia [illegible] ♀, ant. 40+ (broken) A. [illegible] ♂ ant. 22

[illegible] ♀, ant. 30 [illegible] ♀ ant. 30

Aphidiidae 7 : 6 mtd = A. [illegible] 5 ♀♀, ant. 20.

A. cf. [illegible], small ♀, ant. 20. A. cf. [illegible] ♂ (ant. 21)

A. cf. [illegible] ♀, ant. 18 [illegible]

A. ([illegible]) cf. ♂ [illegible]

[illegible] 2 ♂♂ ant. 21 [illegible]

[illegible] melanocera, small ♀, ant. 21 [illegible] ♀ ant. [illegible]

[illegible] ♀, ant. 17. [illegible]

[illegible] ♂ ant. 41 [illegible]

Proctotrupoidea 20 : 3 mtd =

Cynipidae 3 : [illegible] Chalcid. 12 : not mtd.

Diptera 17 : 1 only mtd =

Hemiptera 3 none mtd

2.7.53, cont. Kenmare, MK, cont.

Taken at 2. [88 not'd from 2 & three labelled 28.10.53]

Spilomena [illegible] ♀, unpt.

Dryinidae 2: 1♀ only, not'd.

Ceraphronid. 17 none

Homoporus chalcipes, ♂ not'd. Eupelmus [illegible] ♂, ext 22.

Stenomesius [illegible] Hal. ♀, ext 27. St. sp. minutus ♂ ext 19.

Monoctonus sp. chrysopus? ♂, pinned.

M. erythropygus? 2♀♀, ext 31 & 32.

Eulimneria sp. [illegible] ♀, very small, ext 17.

[illegible] [illegible] not'd 2♀♀ {[illegible]
ext 16.

Plectiscus sp. 1♀, ext 21

[illegible] sp. ♀, pinned.

Ceraphronidae 2, not'd

Bracon fulvipes ♀ not'd. B. [illegible] ♀, ext 31

B. sp. [illegible]? ♂ very dark [illegible], ext 25.

Agathis anglica Marshall ♂♂ {1♂ (ext broken), 2♀♀ (ext 30 - 31, the [illegible]) [illegible]

Microplitis [illegible] 228, Apanteles sp. ♀ 1 not'd.

Euphorus pallipes ♂, ext lost.

Perilitus [illegible] 2 not'd. Leiophron [illegible] 2♀♀.
ext. 30 & 31.

[illegible] [illegible] ♂, ext 24.

2.7.53. (2), cont. Kenmare, MK, cont.

Bracon [illegible] {88♂ ± typical
ext. 37(3), 38, 39(3) ♂1(3) & 42; [illegible]

B. [illegible] ♂, with [illegible], ext. 38

B. sp. ? ♀, ext 40, [illegible]

Opius [illegible] ext 32. [illegible]

Opius spp. 22♀ [illegible] O. sp. ♂♀, [illegible] ext 28 & 24.

[illegible] [illegible] [illegible]

Alysia [illegible]? ♂ & ♀ [illegible], ext 38+, ext ♀ 31.

Pleurotropis? microptera Type! ♀♂ [illegible]
Head large & [illegible] wings very narrow, [illegible]
[illegible] [illegible] ext. 25 [illegible]

Ph. [illegible] ♂, ext. 21. Ph. [illegible] ♀, ext. 27.

[illegible] [illegible] 1♀, ext. broken [illegible].

[illegible] 1♀ [illegible], ext 23.

A. [illegible] ♀, small, ext 35. A. sp. [illegible] ext 12, [illegible]

A. sp. ? 13♂♂ & [illegible]
ext. 19(4), 21(1), 22(?), 25(2) & 24(1).

A. sp. [illegible] 2♀♀, ext 18 & 19 [illegible]

Dacnusa [illegible] ♂, ext 30. D. [illegible] ♀ not'd

D. [illegible] {large ♂ with
very wide head
ext. 23. [illegible] ♀ not'd

[illegible] ♂ ext 40, [illegible] sp. ♀ not'd

Rhogas 2; none not'd [illegible] Hal. [illegible]

[illegible] [illegible] none not'd

[illegible] 3 none not'd

[illegible] [illegible]

2.7.53, contd. Kenmore, M.P., contd. [contd. from 3 & [illegible] edition [illegible] 1902]

Taken at 3. [illegible] old [illegible] 1 [illegible]

[illegible] 3 = [illegible]

[illegible] of [illegible] & [illegible] 26 [illegible]

[illegible] ♂ [illegible] 52 [illegible] E.N.G.

[illegible] of [illegible] ♀ = [illegible] 17 [illegible]

♂ [illegible] 55 [illegible]

[illegible] of [illegible]

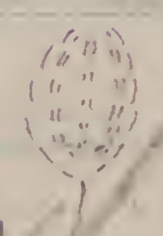
[illegible]

Listed 4 [illegible] =

Bombus [illegible] ♀ very [illegible] Pair[illegible]

3rd July 1953 Misty, dull & cool, with mist on hills up to [illegible]. [illegible], I & Duncan Brown (of [illegible]) went by 9.35 bus to [illegible] where car from Killin met us & drove us up the Glen Lyon road to the hydro-electric works. From there we walked west along the new road for about a mile & then struck NW across valley E. of Ben Chasg, passing on the way the [illegible] hollow where on 7.52 I found Kobresia [illegible] alt. 2,400 ft. & [illegible] found [illegible], with [illegible] [illegible] in the [illegible] of the valley [illegible].

3.7.53, contd. Ben Chasg & Beinn an Eachan

Next visited range of cliffs just N. of [illegible] on E side of the ridge running S from Ben Chasg [illegible] with flora including usual Carex rupestris, Sax. nivalis, Veronica saxatilis & best of all Draba [illegible] found several clumps of Gentiana nivalis [illegible] [illegible] bright with [illegible] width of the cliff from SE to S. Ben Chasg is the original British station for the Gentian. Getting [illegible] ridge we [illegible] left [illegible] for the [illegible] of the [illegible] between Ben Chasg & Beinn an Eachan [illegible] where had found [illegible]. The [illegible] the [illegible] in 1952 [illegible] Carex [illegible] & [illegible] it in full flower & a wonderfully beautiful sight, with its fat brush spikelets & [illegible] arranged [illegible] like the [illegible] Carex  Next went up to [illegible] of Beinn an Eachan & down N. side where Duncan Brown soon discovered another fine patch of Carex [illegible] [illegible]. The [illegible] on both N. & S. sides of Beinn an Eachan [illegible] quantities of Carex [illegible], Juncus [illegible], & Sandwort [illegible] = dinica [illegible] AWS. 1955. [illegible] [illegible] seen S of the gap of [illegible]; [illegible] & Equisetum variegatum (the latter [illegible] last year [illegible] today!)

3.7.53 cont. Cam Chreag & [illegible] cont.
Crossing to N. end of the gap we crossed an area of peat hags on N side of Cam Chreag & came to a slabby cliff immediately below & N of the summit with a steep, normally dripping slope E.N.E. of it on which Juncus biglumis & triglumis were abundant. On the cliff I now found one plant of Woodsia alpina & there was much Sax. nivalis & many other rare plants. Amongst the rocks & on the grassy slopes [illegible] alpinum was abundant & with a very robust, [illegible] [illegible] form of the [illegible] Sagina saginoides on wet slope almost to summit of Cam Chreag. Left summit of Cam Chreag at about 4 P.M. & with the help of a jeep belonging to the hydro-electric works, caught the 5.20 bus from Killin at Edramucky back to Lawers. Did not collect any insects except [illegible] & saw no Bumble bees during the day.

Mr Colville arrived at Lawers during the day from Dundee.

4th July, 53. A dull day with strong cool N. wind & some wet mist on hills. Mr Colville, Barry & I left Hotel about 10 A.M. & walked up to Lochan nan Cat by the Lawers Burn, stopping as usual to look at the 3 bushes of Salix phylicifolia & 1 bush of S. [illegible] on left bank just below the Lochan. On boulder in mid stream above the lowest Salix phylicifolia I found 3 flowering plants of Erigeron alpinus growing with Sax. aizoides, Alchemilla alpina &c. & between 50 & 100 seedlings of the Erigeron, the [illegible] of which would have lodged on the stone is difficult to imagine, as it sloped downstream & was only about a yard square & must be completely submerged when the river is in flood. Had lunch, 1.15 P.M., amongst boulders at head of Lochan & later Mr Colville & I went on towards the great cliff S.W. of head of Lochan & on way there passed several stations for Sandwith's "mysterious sedge" (C. dioica var. parallela ?) one growing in a "flush" not far above lake level & two others by a rill perhaps a couple of hundred feet above the Lochan – one tall clump formed almost a pure, elongate, "tussock" across a rill, the ♂ spike, especially, being very tall, but none of these plants reached the luxuriant state of those on the ridge N. of Ben Lawers. On reaching the big cliff we went up its

4.7.53, cont. N. Corrie, Ben Lawers, NE, cont.
N. face where we saw many of the usual plants such as Myosotis alpestris, Erigeron, Juncus castaneus — single plants on the wetter slopes below the cliffs — Carex saxatilis & capillaris, Viola lutea, Saxifraga, Salix Lapponum, Armeria, &c. On reaching top, skirted across the upper corrie — then the snow line — & found the parallel? [illegible] But I think it, as in [illegible] to, ~~[illegible]~~ meikle 1952 habitat. We then cut across to the upper end of the cliffs of Ben Lawers & walked E along their base seeing the usual plants including two of Woodsia & a large patch of Cirsium heterophyllum on a densely plant-covered ledge. And so down to the Lochan & home by the usual path at 6.15.

NB On 28th June Grant Roger & his friend Dr Fraser Ross reported many flowers on the Cornus suecica on left bank of the Lawers Burn below Lochan outlet but at 11.30 AM on 29th & again today we saw not a flower on it. Hence the question arises, are there two patches of the plant? The station for it described by G Roger seemed to agree with that of the colony well known to me & to which I had directed him.

4.7.53, cont. Ben Lawers, NE cont.
On return to the hotel I found the enclosed letter from Mr Marshall (of Kew) relating to the specimen of the Myosotis Sedge sent there on the previous Tuesday (1st). [illegible]

5th July 1953. Sunday. Heavy & continuous rain all day after 10.30 AM.

6th July 1953. A cool, bright day with strong W winds & some showers, but none on Ben Lawers, followed by rain at night. Marion Graham left here. Joined by Duncan Poore, Mr [illegible] & I set off up Ben Lawers from the hotel about 10 AM & guided by Poore saw the last known tuft of Saxifraga rivularis on the N face of the Eastern Ridge amongst large blocks of rock below a tor a few feet below the crest of the ridge between 3,000 & 3,500 feet. [illegible] very cold & windy here we [illegible] into the N Corrie & keeping [illegible] for the rocks [illegible] up [illegible] being [illegible] sheltered [illegible], but [illegible] at first [illegible] where found a tiny plant of Sagina nivalis about 1½ inch in diameter [illegible] with flowers & buds; it was growing on a bare, peaty, damp vertical bank along some rocks. This plant was inspected by Mr [illegible] who thought it was only S. saginoides & which however was

6.7.53, contd.   Ben Lawers, M.P., contd.

[illegible] [illegible] by Duncan Poore [illegible] the plant home to grow in [illegible] & obtain seed (which attempt failed!). [illegible] proceeded up along the [illegible], [illegible] Craig an Lochan & [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], Hypnum [illegible] [illegible] alpina & [illegible] [illegible] [illegible]. [illegible] the ridge just S. of the [illegible] [illegible] we dropped down on to [illegible] ledges where found the sedge (Carex [illegible] dioica var.) in fine, abundant, but only [illegible] male plants with pollen for Sandwith but [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] for male plants [illegible] that [illegible] the female [illegible]. [illegible] [illegible] [illegible] [illegible] abundant [illegible] [illegible] [illegible] [illegible] areas [illegible] in Sphagnum. Duncan Poore recognised [illegible] pretty little form of Scirpus, which we had noted in [illegible] [illegible], as the [illegible] reported [illegible] S. caespitosus caespitosus (only recorded from Ben Lawers & [illegible], Yorks, [illegible] [illegible] British Flora), & compared with the common & widespread form S. caespitosus germanicus with larger, looser, [illegible] to the [illegible] at base of flower stem. Next proceeded down to col [illegible] & round back (N.) of An Stuc, seeing Sandwith's sedge in [illegible] [illegible] & [illegible] [illegible] [illegible] on the col. [illegible] [illegible] [illegible] the [illegible] path [illegible] in 1952 & [illegible] by sheep path to NE corner of An Stuc, where Poore showed me a small patch of Cystopteris montana in a gully

at the corner of the Stuc where the N & E faces [illegible] or just round on the N. face & immediately above the sheep path. It was very [illegible] & [illegible] [illegible] [illegible] the rest of the vegetation & all [illegible] [illegible] [illegible] [illegible] Sphagnum the bottom of the gully in 1952, but failed to [illegible] anything of interest & did not ascend it [illegible] [illegible] of the [illegible].   Finally descended the slope [illegible] & Meall Garbh to [illegible] [illegible] [illegible] [illegible] young fruit on the [illegible] [illegible] Lawers Burn. At top of the descent [illegible] [illegible] filling [illegible] [illegible] Meall Garbh, found the sedge [illegible] [illegible] & Poore showed me [illegible] [illegible]uscula, var. S. lapponum, on the [illegible] cliffs of the [illegible]. Phleum alpinum was found by Poore on [illegible] slope [illegible] as we [illegible] the N. corrie of [illegible] & one plant of [illegible] in a [illegible] on W. side of the Stuc. Sesleria [illegible] & [illegible] Salix reticulata in flower on [illegible] W. of Meall Garbh & a little below the [illegible] of the col between this & An Stuc, where are pools & flushes full of Sandwith's sedge, Juncus biglumis, [illegible] (once with [illegible] below fruit) & where Poore found a moss he thought [illegible] to [illegible] [illegible] [illegible] & which [illegible] [illegible] a small fragment, Hypnum (Scorpidium) turgescens! See specimen!

Hypnum (Scorpidium) turgescens

found by Duncan Poore on the col between An Stuc & Meall Garbh (Ben Lawers) at 3,000 feet, 6.7.1953.

6.7.53, cont. Ben Lawers, M.P. cont.

small fragment to dry. However Poore took the plant home, to grow & try & obtain seed (which [illegible] failed!). After which proceeded up along the [illegible] [illegible] towards [illegible] [illegible] & [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] (here & there). [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] & [illegible] of the common species. Crossing the ridge just S. of the [illegible] [illegible] [illegible] [illegible] [illegible] ledge where Sandwith's sedge [illegible] abundant, [illegible] [illegible] male plants [illegible] but few [illegible] [illegible] [illegible] male plants [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] growing in Sphagnum. [illegible] pretty little form of Scirpus, [illegible] [illegible], in the [illegible] spotted true S. caespitosus [illegible] ([illegible] recorded from Ben Lawers & [illegible], [illegible] [illegible] Flora), as compared with the common & widespread form S. caespitosus germanicus with longer, looser sheath to the bract at base of flower stem. Next proceeded down to col & round back (N.) of the Stuic, seeing Sandwith's sedge in [illegible] [illegible] [illegible] [illegible] [illegible] on the col. [illegible] [illegible] [illegible] [illegible] 1952 & crossed [illegible] path to NE corner of the Stuic, where Poore showed me a small patch of Cystopteris montana in a gully

at the corner of the Stuic where the N & E faces meet, or just round on the N face & immediately above the steep path. It was very minute & scarcely visible among the rest of the vegetation & the [illegible] [illegible] [illegible] [illegible] the bottom of the gully in 1952 but failed to [illegible] anything of interest & did not ascend it & so missed the Cystopteris. Finally descended the slope between the Stuic & Meall Garbh to [illegible] [illegible] & so home, seeing young fruit on the [illegible] [illegible] on the way by the Lawers Burn. At top of the descent saw Juncus trifidus [illegible] [illegible] [illegible] on W. side of Meall Garbh. Sandwith's sedge by a rill half way down & Poore showed me a [illegible] bush of Salix arbuscula, near S. lapponum, on the E. cliffs of the Stuic. Phleum alpinum was found by Poore on [illegible] slope [illegible] [illegible] [illegible] [illegible] the N. corrie after lunch & one plant of [illegible] [illegible] in a scree on W. side of the Stuic. [illegible] [illegible] & of Salix reticulata in flower on [illegible] W. of Meall Garbh & a little below the [illegible] [illegible] [illegible] between this & the Stuic, where are pools & flushes full of Sandwith's sedge, Juncus [illegible], [illegible] ([illegible] with bract below fruit) & where Poore found a moss he thought [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] a small fragment, Hypnum (Scorpidium) turgescens! See specimen!

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7th July 1953. Warm & still [illegible] morning [illegible] [illegible] [illegible] very [illegible] W. [illegible].

Wood (or glen) along [illegible] of the [illegible] [illegible]
[illegible], NP. 8.0 – 9.0 PM.

[Ichneumon of suspicious [illegible] [illegible] yellow → [illegible] in cornfield E. of the [illegible] at 5.30 PM.]

Cryptinae [illegible] only one, ♂, [illegible], [illegible], [illegible], [illegible] pinned =

[illegible] [illegible] ♂ = flavicornis? pinned, [illegible]
P. of [illegible] [illegible] [illegible] [illegible] [illegible] ast 35
Acrodactyla [illegible] [illegible] ♀, ast. [illegible] [illegible]
[illegible] ♀ [illegible] = [illegible] of [illegible] pinned.

Monoblastus? [illegible] [illegible] pinned

Polyblastus? of [illegible] [illegible] [illegible] ♀, pinned

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7. [illegible] [illegible] [illegible], NP. not
Orthocentrus [illegible] of [illegible] [illegible].
[illegible] [illegible] ♀, ast. 36.
[illegible] [illegible] of [illegible] pinned
[illegible] Diaparsis? of ♀, ast. 24.
[illegible] [illegible] [illegible] [illegible] not mtd.

[illegible] of ♂, small, ast. 37.
[illegible] notatus ♂ ast. 36.
[illegible] [illegible] [illegible] ♂, ast. 53
[illegible] [illegible] [illegible] Very [illegible] ast 34
[illegible] of ♂ [illegible] [illegible] ♂ [illegible]
[illegible] pellipes? ♀ [illegible], ast. 22
[illegible] [illegible] ♂, ast [illegible]
[illegible] [illegible] [illegible]
Ophion [illegible] ♀, ast 39 + broken. O. of [illegible] [illegible] ast only one.
O. of [illegible] ♀, [illegible] O. of [illegible] ♂ ast broken.
[illegible] [illegible] ♀, ast. 49.
[illegible] [illegible] very fine ♀, ast. 30
A. of [illegible] ♂ ast 34, [illegible] ♂ ast 32 ? new species.
A. of ? ♀ [illegible] A. of [illegible] ♂, ast. 19.
[illegible] [illegible] not int. [illegible] [illegible] D. [illegible] not mtd!
Tryphon? parvicornis ?? ♀ ast broken [illegible] [illegible] ♀ not mtd.
Pimpla? ♂ not mtd.
[illegible] ♂ =
Aphodius [illegible]?

8th July 1953. A cool showery day, but considerable sun & fine in afternoon.

Driven by Mr Connolly (of Mr Colville's Garage & J) to Invervar in Glen Lyon, where arrived at 10.20 AM & left for hotel at 6 PM. Walked up track on left bank of the Invervar Burn to about 1800 ft. & then cut across slope to the cliffs S.E. of summit of Carn Gorm, which cliffs range from ca. 2,500 to 2,750 feet; worked along the lower cliffs northwards & then cut across corrie & burn to the cliffs facing south about 3/4 mile N.E. of Carn Gorm, along under the big cliff across the head of the burn & so back to Invervar. In crossing the corrie N.E. of Carn Gorm passed over several stony marshes full of Juncus biglumis, J. triglumis, Scirpus caespitosus caespitosus, Carex ? pulicaris, dioica var. Armeria maritima, &c. On the track above Invervar at ca. 1,000 ft. saw Plantago maritima & Scirpus setaceus & at ca 1250 ft. what appeared to be Carex dioica & Potentilla palustris. On reaching the cliffs of Carn Gorm, found Salix myrsinites in abundance, S. lapponum × phylicifolia? & one bush of S. arbuscula ♀ & Mr Colville found one bush of S. lapponum & Vaccinium uliginosum.

8.7.53, cont. Carn Gorm, Glen Lyon, M.P., cont.

Other rare plants on these rich cliffs were Carex rupestris, C. vaginata, C. atrata, C. rigida & C. glauca (very fine forms), [illegible] [illegible], Saussurea alpina, Potentilla crantzii, Melica ~~[illegible]~~ nutans, Rubus saxatilis, Dryas, Silene acaulis, Draba rupestris (rosettes) & D. incana, Trollius, Sax. hypnoides & S. stellaris & S. aizoides, [illegible], Geranium sylvaticum, Beech & Oak Fern, Asplenium viride.

On the cliffs N.E. of Carn Gorm & facing south we saw 18 flower-heads of Erigeron alpinus on one small scarp & 5 more nearby; Lychnis dioica, Sax. nivalis, Carex rupestris, Pyrus aucuparia, Salix myrsinites (one bush only seen here!), Beech Fern, Viola lutea var. Cerastium alpinum, Rhinanthus (?borealis), Gnaphalium supinum, Solidago virgaurea, Antennaria, Anthyllis vulneraria, Sedum rosea in great abundance, Luzula spicata, Draba incana & D. rupestris. In the hollows between Carn Gorm & the big cliff to the NE were some lovely 'micaceous bogs' full of Sandwith's [illegible], Juncus biglumis, J. triglumis & what I believe to be a dwarf J. castaneus only about 2 inches high, & on the steep slope up to the crags W. of the big cliff I found a prostrate patch of what I think is a tiny form of Salix repens with 1/2 inch long leaves.

9th July 1953. A cool day with showers, as on 8th, & with strong NW wind & some sun bursts.

Took 10.20 a.m. bus (alone) from Lawers to Achen, 1¼ mile W. of Fearnan & walked up a burn to crags overlooking the road & some higher crags not visible from road & so on to Lochan Creag a' Mhadaidh (alt ca 1900 ft.) Ate lunch at 1.30 during shower at the lochan & then walked W. on a long slant up Gleann da Ghoth & joined the burn 1¼ mile W. of the lochan & I followed it till I reached a series of rocky scarps facing E along northern spur of Meall Greaigh (or Greigh); worked W. along scarp & rivulet until reached a col leading to E. slope of the Yellow Corrie at ca 2,700 ft. where had afternoon tea behind boulder – wind very strong over the col from NW. Dropped down into Yellow Corrie to examine a flush (full of Carex microglochin!) & worked S. up it to its source, crossed a boggy area with pools, & found a large flat depression with acres of bareground (on the then deep peat (being eroded) & finally against N slope of Meall Greaidh a large flat area of Carex rostrata, C. saxatilis, C. goodenowii, C. stellulata, &c & with wind behind me walked up the ridge to the summit of Meall Greaidh & home to Lawers via the gully draining into the Lawers Burn at about 2400 ft.

9th July 53, cont. Gleann da Ghoth, Yellow Corrie & Meall Greaidh

By the burn & on way there from Fearnan road found a patch of the N. Zealand plant Epilobium pedunculare in full flower & on the higher scarps SW. of same Carex rupestris in fair quantity, Asplenium viride & A. trichomanes, Oak & Beech Fern & many common plants. In Lochan Creag a' Mhadaidh saw Littorella, Nuphar pumila, Potamogeton natans, & a grass (Glyceria ?   ) Carex rostrata & in marshy area at W end of it Carex rostrata, curta, goodenowii & echinata, Menyanthes, &c.

In Gleann da Ghoth crossed rough hill from S. & gathered some Carex goodenowii (dioica?); Arctostaphylos uva-ursi on side of gorge at ca 2,000 ft (the [illegible] on rocky crags E. of the Lochan!) & at ca 2,200 found a large area in which Lycopodium annotinum was abundant & just coming into fruit. Next went up to the scarp at 2,500 ft. & found Salix Lapponum & some other nice plants, but the flora very poor compared to Ben Lawers area; also in numerous bogs & flushes found Carex pauciflora (and [illegible]) in several places before crossing the watershed into the Yellow Corrie. In Yellow Corrie found Carex microglochin abundant & in perfect condition at about 2,600 ft. with a small Juncus (intermediate

9.7.53, cont. Yellow Corrie & Meall Greigh, cont. Carex ~~[illegible]~~ dioica var. in one or two places, Carex saxatilis, &c (but saw no sign of C. atrofusca, Kobresia, or Sedum villosum). Ascending N. ridge of Meall Greigh (was little of interest & much bare ground, but one area very rich in Potentilla sibbaldii. Descending to the Lawers Burn via the gully saw the usual plants including Salix lapponum & S. myrsinites & on the lowest scarp of all Carex vaginata which this year had only two flower spikes but otherwise seemed quite healthy. Took one of the spikes for Mr Colville.

Around the Lochan Corrie & [illegible] saw several small blue dragonflies that looked like Agrion. A fresh Small Tortoiseshell Butterfly seen near Lochan.

10th July '53. After a beautiful early morning, drizzle & rain set in about 9 AM, therefore decided to take 10.30 bus to Fearnan & walk to Comrie Bridge. (Mrs Colville, Daisy & I). Saw all the plants previously noted on this walk & collected insects by sweeping Cow Parsnip flower heads just west & again ½ mile E. of N end of Kenmore Bridge. Saw the following sedges by the road:– Carex remota,

10.7.53, cont. Fearnan – Comrie Bridge, cont. leporina, Carex glauca, panicea, stellulata, pairaei, sylvatica, & Goodenowii, ovalis; Hieracium [illegible] (abundant, near Kenmore Bridge), Cnicus heterophyllus (by R. Lyon above Comrie Bridge), Clinopodium officinale, Hypericum ~~perforatum~~ [illegible], ~~[illegible]~~ Heracleum sphondylium, Galium cruciatum, Solanum dulcamara (Mr Colville, E. of Kenmore Bridge),

Insects swept off Cow Parsnip flower heads:
1. Roadside N of Kenmore Bridge, after rain had ceased.
2. " E. " " [NB. Most just labelled "Kenmore 10.7.53"]

Taken at 1. Almost the entire content consisted of the black Empidid-like fly taken at Lawers on various occasions — ♂♂ & ♀♀ — which emerged just after the rain ceased in countless hundreds — pretty thousands — of varying size — some of the smallest being ♀♀ = Microphor velutinus [illegible] (see 88) pinned [illegible] 2 ♂♂, 2 ♀♀ – [illegible]) for Pigeon [illegible] pinned

Yellow & Black Tryphonid with larva = T. elongator! on found [illegible]

Taken at 2. Aphidius crepidis Hal. 2♀♀, ♂ & 10. [illegible] bred from stung aphids (20.7.53) on a specimen of Hieracium ~~[illegible]~~ growing near N. end of Kenmore Bridge & dried under material of bed.

See [illegible] →

10.7.53, cont. Kenmore district, cont.

Taken at 2. The Birch [illegible] [illegible] the [illegible] again — [illegible] (Monoblastus [illegible]) [illegible] were taken; see p. 150

Cryptinid 1♀: see page 150 [illegible] = Monoblastus palustris var. according to J. F. Perkins! R.W.?

[illegible] catenator first ♀ Kenmore [illegible] [illegible]

[illegible] ♂ of [illegible] group of small dark ♂ [illegible]!

Tryphonid with [illegible] 5 = [illegible] [illegible]

Mesoleiid [illegible] ♂ = Gen. et sp.?

Campoplegid ♂: not ntd.

[illegible] [illegible] N. 297, not [illegible] 23

Tryphonid [illegible] 7, not [illegible] one example!

[illegible] [illegible], 5♂♂ (not 20, 21(?), 22(?)), 3♀♀ ([illegible])

Proct. 2
Chalcid 1
Cynipid 2 } none ntd.

11th July 1953. A fine morning but a depression with S.E. wind [illegible] at 10 [illegible] with [illegible] & [illegible] in the evening & during night. [illegible] [illegible] [illegible] driving & I went by 9.35 bus to Glen Lochay Hotel where met by car which drove up Glen Lochay as far as Tullich Farm

11.7.53 cont. Glen Lochay & Meall Ghaordie, N.W. side. From Tullich ascended E. slope of Meall Ghaordie, then [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] E. of summit [illegible] head of valley [illegible] N.E. side of ridge. Then NE of Meall Ghaordie & back to car at 5.15 & 20 [illegible]. Very poor alpine flora on the crags we [illegible] examined. In wood just above Tullich farm found patches of [illegible] [illegible] & [illegible] of [illegible] [illegible] (alt. 750 & 1,000 to 1250 ft. respectively). Nothing further of interest seen till we began to reach the rock faces at ca 2,700 ft. where [illegible] [illegible] [illegible] [illegible] & the plants of Cryptogramma crispa [illegible] [illegible] [illegible], Trollius, Saxifraga [illegible], [illegible] [illegible] [illegible] & one patch of S. nivalis, Hieracia, Potentilla crantzii, Salix herbacea & S. reticulata, Sedum rosea, Carex rigida, C. capillaris, [illegible] [illegible] [illegible] [illegible] [illegible], Carex [illegible] [illegible] [illegible] [illegible] [illegible] Carex [illegible] [illegible] [illegible] & 6 small [illegible] plants [illegible] [illegible] [illegible] Mr Lowsley [illegible] thought it might be a [illegible] species & [illegible] [illegible] most of it; it was probably a form of the parallel but nevertheless looked very distinct. Lowsley told me [illegible] next Wed or Thursday. R.W.); Saussurea alpina

11.7.53, cont. Meall Ghaordie NE, ... Juncus triglumis, ... seen, ... [illegible] on the cliffs facing SE on ridge NE of Meall Ghaordie. Salix arbuscula & S. [illegible] seen above the Tullich? farm & the former for some distance above, where it & [illegible] grew & a small tree of Salix caprea or perhaps caprea × cinerea (specimen taken). Luzula spicata, Oxyria digyna & Lysimachia nemorum also seen on cliffs & high ground.
[Later discovered that on summit of Meall Ghaordie, which we did not visit, is a patch of [illegible] – fide Duncan Poore!]

12th July 1953 No wind, very humid, drizzly rain most of the day after a wet night, but in afternoon rain cleared off for a couple of hours & collected [illegible] off [illegible] [illegible] [illegible], [illegible], [illegible] of [illegible], of the [illegible], [illegible] [illegible] [illegible] [illegible] from [illegible] [illegible] 30'.
Catches of [illegible] of [illegible] "Tullich" [illegible] [illegible] Aedes [illegible] "cantans" of [illegible] [illegible] (Rothschild collection)
[illegible] [illegible] [illegible] [illegible] 10°.
[illegible] [illegible] [illegible] common } none of the [illegible] taken
[illegible] [illegible] common
[illegible] [illegible]

13th July 1953 More or less a wet day, with puffs of wind from E, then N. & finally NW; humid & not cold, drizzly, with heavy rain at times after 1 p.m. & [illegible] in afternoon.

Mr Colville & I left 9.30 a.m. to Edramucky where McGregor's car drove us up to the new road to quarry S. of Beinn nan Eachan. From cliff in gorge by hydro-electric engineers for about a mile & on leaving the cut-up ridge towards Cam Creag seeing Gentiana nivalis, Kobresia &c on the way, as on 3.7.53. Then went on to show Mr Colville the Carex grahami & had lunch beside it. After lunch came back to the pass along the upper [illegible] of Beinn nan Eachan & round S. shoulder of Cam Creag to the ridge where dropped down to base of the Cam Creag cliffs – facing S. Spent an hour on these cliffs but afternoon [illegible] & walked back to Edramucky to catch 5.30 bus from Killin & so home.

On rock face just above the Carex grahami saw a beautiful half-[illegible] tuft of Arenaria rubella covered with fruit, the ciliate pedicels of flowers being proof of its identity. Small tufts of Draba rupestris seen at same place, also [illegible] spikes of Phleum alpinum on wet slopes below cliffs.

13.7.53, cont. Rain on [illegible] & Ben [illegible] and. Very rare Carex curta seen just W. of the pass & Juncus biglumis, very scarce, in flat [illegible].

On reaching the cliffs SE of summit of Ben [illegible] soon came on ledge with flowers with Potentilla crantzii, Salix reticulata & herbacea (Salix we had seen high up cliff that looked like Salix lapponum & just E of the pass Mr [illegible] found a small prostrate bush of Salix reticulata); Veronica saxatilis in fruit, Draba rupestris in fruit & flower, D. incana, Woodsia alpina in several places & about a dozen plants in one spot, on the cliffs facing E, only [illegible] of summit.

14th July 1953. A damp windless morning after a wet night with mist on hills down to 1000 ft or after [illegible].

In forenoon [illegible] & I took bus to Fearnan, where on shore of Loch Tay he collected specimens ([illegible]) of the recently added to British list of plants – the supposed Scandinavian species Carex pulchella. Moreover the foreshore [illegible] [illegible] & [illegible] Carex of the [illegible] & [illegible] like C. [illegible], with only [illegible] utricle & a very short beak — a very small [illegible] "flava" ecotype.

14.7.53, cont. In afternoon took bus to [illegible] & spent the afternoon with the [illegible] — father & Duncan the son — looking at a few of the very beautiful colour photos of British plants taken by the father & at the equally beautiful [illegible] of Lepidoptera of the former, though the colouring & reproduction from a scientific point of view [illegible] the specimens [illegible] & data [illegible].

As no rain at Lawers in afternoon I [illegible] got up & I dried the vegetation, went out after dinner at about 7.40 P.M. [illegible] to Lawers [illegible] mist, rain descended from above Lawers [illegible] [illegible] [illegible] [illegible] to [illegible]. From [illegible] near [illegible] Lawers, [illegible] top of the [illegible] & [illegible] [illegible] — Bryum [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] 1953

[illegible] [illegible]

[illegible] [illegible]

13 15th July 1953. Very strong NW wind with cold drizzle (& rain at times) most of day: cooler & colder on high ground. Mr Colville, Doris & I left hotel at 10 AM. & walked up Lawers Burn (left bank) to col leading to the Yellow Corrie, seeing by the tributary from col Salix myrsinites & S. lapponum, Saussurea alpina & verified the Polygala as P. serpyllacea serpyllifolia; but on way across moor to tributary Mr Colville found nice plants of Kobresia in a "flush" on slope coming down from ridge N. of Meall Greigh [illegible]. On approaching col took shelter & had lunch & then proceeded W. along the main tributary up E. ridge of Meall Garbh & in flushes N of the burn, but well within the Lawers drainage area saw much Carex microglochin,

14 "Sandwith's sedge" & "my little sedge" taken on col NE. of Meall Ghaordie on 11th, concerning which I today received a p.c. from Mr Lousley saying he considered it distinct from Sandwith's sedge & once again hinting that it might be the true C. parallela & adding that it was interesting & would I try to get more. Proceeding upwards & northwards passed over watershed into drainage area of the Yellow Corrie, saw more C. microglochin & lots

15th Jul. 53 contd. Yellow Corrie contd.

of C. atrofusca, Sandwith's sedge & Juncus triglumis & caespitosus. Proceeded further up ridge till met sheep track above the first cliff, which path led on the slope down to W. end of the cliff. Very rich flora on the slope & near top found a nice little tuft of Sagina nivalis on little mound & covered with flowers or capsules, which D. will try to grow but it died during the year following! AWS. Next went back down cliff to Mr Colville's bush of Salix lanata & took a sprig with 4 catkins. This bush seen here in 1951 (& considered only S. lapponum by Grant Roger, but undoubtedly S. lanata). In swamp at base of cliff a little east of the Salix saw the great growth of Carex saxatilis & three spikes of Juncus castaneus & one of Athyrium alpinum a little lower down slope than in 1952. Sandwith's sedge occurs & variable all over the corrie also Cerastium alpinum & sp.? to west of corrie eastwards & saw the Kobresia below the crag which juts out into Yellow Corrie & separates the arm (to E) from the main corrie, saw great quantities of Carex rupestris on the crag itself, as last year (1952). Also saw Sandwith's sedge on shelf of corner & much Tofieldia flowering but failed to find Vaccinium microcarpus! AWS. oxycoccos in the big swamp at head of Lawers Burn tributary 1/2 mile E of the col. Came down this tributary & noted

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15.7.53, cont. Yellow Corrie, &c, cont.
that the willows on rock beside the waterfall (of which specimen in flower, collected here, late in 1947) are Salix lapponum. And so home via left bank of the Lawers Burn.

16th July 1953. A very fine morning, becoming dull with drizzle & mist at 5 P.M. with very heavy rain at night.
Went to Yellow Corrie again, alone, leaving the hotel at 10 A.M., to collect more of the "new" sedge by the tributary of the Lawers Burn & look for more Saxifraga rivularis, but failed in the latter object. Afterwards went up cliffs on NE side of Meall Greigh & on to the summit [illegible] [illegible] Draba [illegible], Saxifraga [illegible] & stellaris, [illegible] herbacea & Salix [illegible] [illegible]. In the upper part of this hollow there is a great development of "polygon" soil & at lower end is a bit of snow-washed, wet, flat [illegible] of vegetation in which [illegible] [illegible] grows. Left summit of Meall Greigh at 5 P.M. & arrived back at hotel at [illegible]. Came down by the burn SE of summit, seeing most Carex capillaris & Kobresia caricina by the way & passed the large scarp

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16.7.53 cont. Yellow Corrie & Meall Greigh, cont.
on which grow a large bed of Juniper, Empetrum [illegible] [illegible] & other [illegible] [illegible]. By the rill down slope between cliffs at head of the Yellow Corrie, where Saxifraga rivularis found on 15th, found a very [illegible] form of [illegible], which [illegible] [illegible].
[illegible] on summit of Meall Greigh =

17th July 1953. After rain at night, a fine morning with [illegible], but about 10 A.M. a SW wind [illegible] & [illegible] formed a heavy rain [illegible] but [illegible] a [illegible] fine period followed until thunder storm appeared from south [illegible] 4.45 P.M. with heavy rain [illegible] of [illegible]. Left hotel at 11 A.M. & called on Mr Poore, [illegible] for a few minutes & then walked to [illegible] Bridge & along old road to [illegible] & on to [illegible] at [illegible]. Very nice scenery [illegible] road & would afford very good [illegible] but saw practically no [illegible] except [illegible] Hieracium, which was covered with [illegible], & a few [illegible] [illegible] (= ?) & [illegible] [illegible] [illegible].
At [illegible]. Trichostomum [illegible]
[illegible]

161.

18th July 1953. The first fine day for a fortnight after rain at night & misty rain till 8 AM. A shower passed to E. at 11 AM. & another to W. at 6 PM, but no rain fell on Lawers or Ben Lawers during the day from breakfast till dark & the Ben was free of mist from 11 AM till 6 PM.

Left hotel about 10 AM (Bering & I) & walked 1/2 mile West along road & then up the track & S. slope of Meall Odhar & over E. shoulder of same, seeing [illegible], one Hazel & several Rosa sp. bushes on the "cliffs".

After crossing boggy ground N. of Meall Odhar made a long slant upward & into the West Corrie at 12.45 & had lunch about 1.10 PM in middle of the corrie, where Sedum villosum seen by the rill as usual, but with fully open coral-pink flowers. Went up to head of the Burn in corrie & along E. end of the Ben Glas cliffs seeing much nice damp ground & nice plants, including much Sedum villosum, Juncus biglumis, J. triglumis (but not J. castaneum which is reported to be common there!); Carex curta in several places

18.7.53, cont. Ben Lawers, M.P., cont. (162.

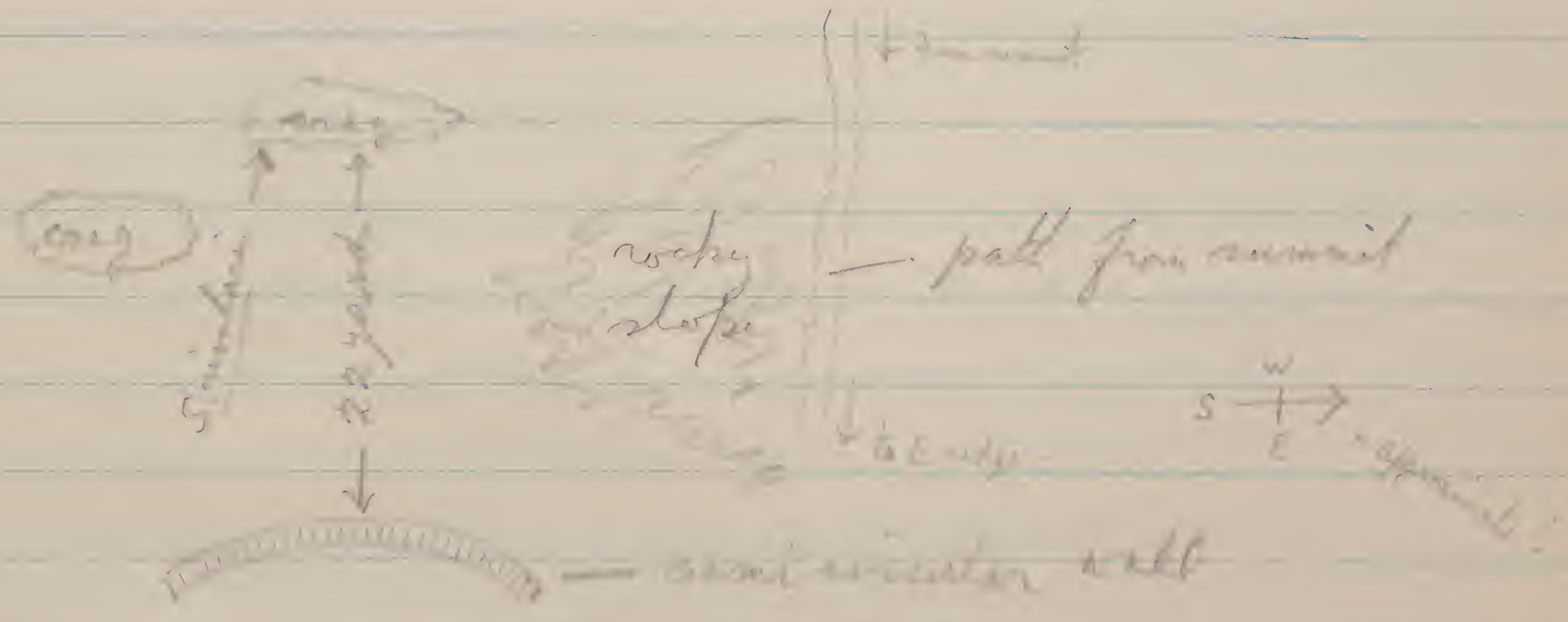
at ca. 3,200 ft. & just E. & a little above the main colony of curta a sedge new to me ([illegible]) which looks like = C. saxatilis var. [illegible] (C. pulla?) small form of C. grahami, but with much smaller fruit (utricle!) & more compact & smaller female spikelets. Carex curta occurred sparingly with it & also one of its [illegible], while [illegible], goodenowii & stellulata were there or thereabouts also. Some rather stunted specimens of either Sandwith's sedge or my new mystery sedge (see previous page!) grew in one of the rills below the C. curta ground. Next went to foot of main cliffs of Ben Lawers & on rocky slope below & S. of same saw lots of Gentiana nivalis, Sax. nivalis, Arenaria rubella & Sedum villosum — growing almost on the bare rock, also many other plants. Crossed slope S. & E. of these & went up the 2nd gully S. of the big cliff & on way up collected some fine bits of Cerastium sp. & saw one small clump of Sagina nivalis. Then went up to summit to see the view. All clear except towards N.W. where rain clouds were gathering over the Ben Nevis range. Saw about a dozen or more clumps of Sagina nivalis

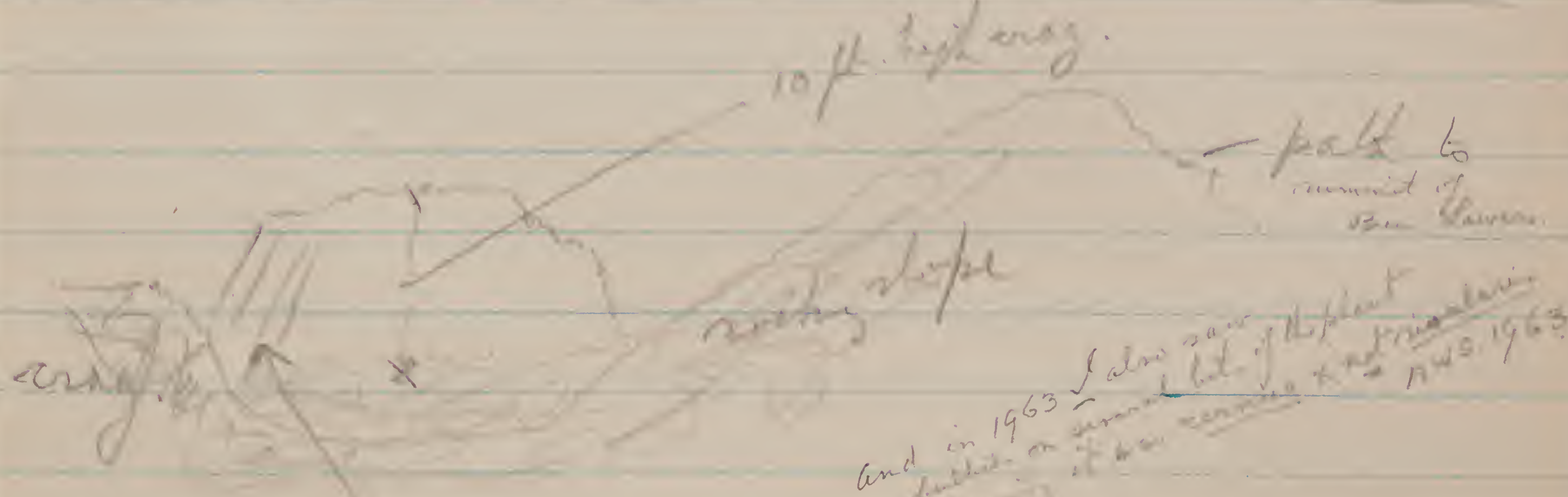
18. 7. 53, cont. Ben Lawers, M.P., cont.
around the actual cairn, as pointed out by Meikle last year & also some Sagina saginoides..

Went down to "the crater" & had afternoon tea at 4.30 P.M., to get shelter as sudden cold wind had sprung up & saw the usual array of Saxifraga cernua amongst the crags W & SW of the semi-circular wall, but none in flower & had not time to look into the corrie. Close to there we had tea & 22 yards W. of the semicircular wall under an overhanging rock found a small patch of Saxifraga rivularis with much larger leaves than in the well-known station down the E. ridge, which also visited on return journey. Left summit at 5.55 & in hotel at 7 P.M. exactly. To find the Sax. rivularis W. of the crater, of which I took this single leaf stand with your back to the curved wall in the crater & face westwards. On your left about 15 yards away is a small rocky crag & on your right the rocky slope N. of which runs the path from the summit to E. ridge & between these & 22 yards from the wall is a ten-foot high crag

18. 7. 53, cont. Ben Lawers, M.P., cont.
with a hollow beneath the S. end & in the hollow is the Sax. rivularis, seen only once, growing amongst moss. Here is a plan & sketch as seen from the semi-circular wall in the crater looking westwards (approximately):—

only cernua! AWS 1963.





Saxifraga rivularis under overhang of S. end of crag
cernua! AWS 1963.

— And in 1963 I also saw bulbils on second bit of the plant proving it was cernua & not rivularis! AWS 1963

N.B. In 1954 Mr Cobbett told me he had seen a plant bearing bulbils under this rock & there is therefore a probability that my plant is only a shade form of S. cernua. Reason there to investigate! AWS

18.7.53, cont. Ben Lawers, cont.

During [illegible] the commonest at 3.30 PM is [illegible] Fly ([illegible]) [illegible] captured on the summit of Ben Lawers brought a small beetle, which is, I think, the same species as that taken on summit of [illegible] on 16th July. Although the mountain Ringlet (Erebia epiphron) was in full flight on our arrival on [illegible] on 26th June, a fair number of specimens were still to be seen on the wing. Several other beetles also taken at or very near the summit including [illegible] in the [illegible]. On outward journey at about 2,250 ft found a single [illegible] of Salix reticulata (♀) overhanging one of the tributaries of the burn that drains the S. slope of Ben Lawers between [illegible] & the [illegible] Burn, not far [illegible]

19th July 1953 Sunday. Light drizzle all forenoon & everything too wet to sweep, but fine later with strong W wind & white horses on Loch Tay, wind dying away after 6 P.M.

From 2 till 3.30 swept here & there in [illegible] the track to Lawers Burn & in the lower part of Lawers glen (wood) = 1

After supper swept the upper part of the glen (1), the tributary to Lawers Burn, 7 till 8.30 PM = 2

19.7.53, cont. Lawers, M.P.

Insects taken at 1. [illegible]

[illegible] ♂ [illegible] ♀ bright green & black during life =

Andrena [illegible] ♀♀ on Heracleum flowers

[illegible] ♂

[illegible] ♀

[illegible] ♀.

Tenthredo [illegible] ♂

[illegible] ♀

Ichneumon suspiciosus ♂ (pinned)

[illegible] ♂, vol. 27 [illegible]

Cryptinae [illegible]

[illegible] pinned, [illegible]

= [illegible]

[illegible] ♀ vol. 21.

Phygadeuon ♀ ♂ vol. 23

Stilpnus ♀ ♀, [illegible] vol. 17-29)

Cryptinae ♂ ♂ vol. 29 =

Pimpla [illegible] ♀ vol. 31 [illegible]

Lissonota [illegible] ♀ vol. 30.

[illegible] ♀ ♂ [illegible] vol. 35

[illegible] ♀ [illegible] vol. 35

Taken at 1, cont.

19.7.53 cont. [illegible] Mid [illegible], cont.

[illegible] a few, few ♂, not ktd.

Stenomacrus [illegible] Thom.? ♀, ent. 22.

Sagaritis cf. [illegible] Thom. ♀, ent. 21

also 2 or 3 other Cryptophyginids not ktd

Orthizema ♂, ♀, not ktd.

Bassus pulvipes 2 ♀♀, ent. ktd.

Bracon sp? 2 with ♂♂, apparently different species with 22 & 25 seg antennae, but with the [illegible] =

Chelonus sp. [illegible] ♂ with [illegible] 21 seg antennae, [illegible]

Phaenocarpa cf. ♂, ent. 26, [illegible]
[illegible] =

Apanteles cf. pallipes 3 ♀♀ ([illegible]).

Meteorus pulchricornis ♂, ent. 22.

Dacnusa capito ♀, ent. 22; small!

Opius [illegible] ♂ ent. 23; [illegible]

O. [illegible] sp. n. ♀ "Type" ent 31, [illegible] base, [illegible] long & [illegible], [illegible], mandible with small [illegible] base; clypeus rounded apically & nearly touching mandibles, which may not be quite closed "if mouth regarded as "open" [illegible] in key to [illegible] "closed" [illegible] because of long time!

A.W.S. 20.11.1953.

19.7.53 cont. [illegible], M.F., cont.

Alysia fuscipennis ♀ ent. 33.

A. tipulae? a small dark ♀, with only 32 seg. ant, but presumably this species

Pentapleura pumilio ♂ & ♀ (not ktd.)

Aspilota daemon ♂ & ♀ typical ♂, ent. 17.   A. cf. nigricornis ♂, ent. 21

A. sp. ♀, with lengthy upper projection, ♂ ent. 34 =

A. sp. ♂, " " , [illegible] small proj, ♂ ent. 23 =

A. (Synaldis) sp. ♂, ent. 21

Dacnusa [illegible] ♀, ent 16   D. [illegible], small ♀, ent. 13.

D. cf. melanocera, small ♀, [illegible] & damaged!

Aphidius sp.?   Trioxys cf. [illegible] ♀, ent. 12.

Proctos. common, but only one ktd =

Belytidae common: none ktd.

Cynipidae: a species [illegible] frequent: 15 ktd =

Scelt.: Chrysocalla 1 =

Hemiptera 1 ktd =

Taken at 2. [[illegible] from 2 & then labelled 27.11.53.]

Cryptinae 14 but only 3 ktd = Hemiteles [illegible] ♀ [illegible]

Hemiteles [illegible] group ♀, ent. 22 =

H. sp. small ♀, ent. 21

[illegible] cf. [illegible] ♀, ent 23.

[illegible] ♀, ent 27.

Stenomacrus [illegible], large ♀, ent 25

St. cf. [illegible]? ♀, ent. 26

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Taken at 2, cont.

19.7.53 cont.   Laver, NP, cont.

[illegible] sp. not previous, 2 ♂♂, ant. 35 + x 3y. } ? all same sp.
M. sp. [illegible] previous, 2 ♂♂, ant. [illegible]

[illegible] ♂, ant. 18. [illegible] ♀, ant. [illegible]

[illegible] of black form ♀, ant. 27. [illegible] ♂, ant. 39.

[illegible] ♂, not ntd.

[illegible] spp. 4: none ntd.

[illegible] ♀, ant. 21.

Meteorus [illegible] ♂, ant. 27, very dark wings.

[illegible] 2: not ntd. B. [illegible] ♀, ant. 2?

B. [illegible] ♀ {ant. 20, with [illegible]}. B. [illegible] {ant. 2?, with [illegible] ant. 21}

[illegible] 3 ♀♀, ant. 33, 33, 34. [illegible] ♂, ant. 23.

[illegible] ♀, ant. 21. [illegible] ♀, ant. 33.

O. [illegible] ♀, ant. 30. O. [illegible] ♀, ant. 24. O. [illegible] ♀, 32.

[illegible] 2 ♀♀, not ntd. [illegible] ♀, ant. [illegible]

[illegible] ♂, ant. 32, 2 ♀♀, ant. 33 & 38.

[illegible] ♀, ant. 17. A. [illegible] 1♂ (ant. 23), 2 ♀♀ (ant. both 15). (? [illegible], small ♀, ant. 16.)

A. [illegible] ♀, ant. broken. [illegible] ♂, ant. 20. A. [illegible] ♂, ant. 18.

Dacnusa adducta, ant. 29, very small ♀. D. [illegible] ♀, ant. 22, rather pale.

Proctos. common, not ntd. =

Chalcids common, none ntd. Diptera 2 =

Beetles 3 =

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20th July 1953. No wind, rain, drizzle in the morning and [illegible] [illegible] & vegetation dripping. [illegible] [illegible] up the N banks of the Laver, [illegible] at 10.10 AM & had lunch by NW shore of [illegible] but at 1.10 PM having seen nothing of interest [illegible] [illegible] Rubus chamaemorus in fruit [illegible]

Intended going round the [illegible], but [illegible] dripping to be pleasant. [illegible] [illegible] of the [illegible] & gradually [illegible] up to the [illegible] of the big cliff ([illegible]) [illegible] [illegible] of [illegible] & the Laver [illegible].

Looked for plants amongst the boulders on slopes [illegible] of the [illegible] & along the [illegible] on same slope, there [illegible] very much of [illegible] sedge & by the [illegible] N of the big cliff [illegible]. [illegible] of [illegible] plants seen along base of the big cliff including [illegible], Carex [illegible], [illegible] (in seed & flower), [illegible]. Continued journey, found a small bush of Salix phylicifolia on left bank of Laver [illegible] a little below the broken footbridge & at water level & took a specimen.

X Roger [illegible] & Grant Roger arrived at the hotel during the afternoon.

21st July 1953 After rather a poor start, a very nice day, with no rain after a shower at 10.30 AM & 6 PM when heavy rain fell for a time. Grant Roger, Waterston, Fanny & I left hotel at 9.30 in a car, hired from Pearson & drove to Invervar in Glen Lyon & ascended hills N of same as on 8th July. Reached cliffs on S face of Carn Gorm — 2,500 to 2,700 feet alt. at 12.30 noon & went up to the highest section, where was great deal of Saxifraga [illegible], also Lycopodium, S. myrsinites, Dryas octopetala, Sax. nivalis, &c.

Had lunch below lower series of cliffs at 1 PM where Salix myrsinites in great plenty & took a small plant of same to grow. [illegible] lastly visited the lowest outcrop where lot of Salix [illegible] seen [illegible], but saw all the other plants, including a great show of Carex rupestris in one place, & Dryas, &c. After lunch worked northwards along the cliff range, seeing many nice plants, including Carex atrata, S. reticulata, Saussurea, Juncus triglumis (seen by Grant Roger on top of one crag), Arabis [illegible] (a single seedling?). Went round N shoulder of cliffs at about 2,800 ft. & into the

21.7.53, cont.

rather flattish corrie intending to get on to the ridge at its head. Here Carex rupestris said to have been taken by Wallace, the bryologist, [illegible] Duncan Poore, but time did not permit this. At c. 3,000 feet came on a large "flush" full of the Scottish sedges (of all sizes), Juncus biglumis in quantity, J. triglumis, &c. but could see no trace of Carex microglochin, though the locality seemed an appropriate one for it. Went up to the [illegible] cliffs [illegible] to the ridge. There were some nice plants but nothing new & then returned via the bed of the corrie past the big cliff facing S, where Dryas [illegible] & the Salix myrsinites on N end of these cliffs to the burn & so back to Invervar at 5 PM where met by car & driven to Lawers Hotel arriving at 5.30. Grant Roger returned to Edinburgh by 6 PM bus from Lawers to Killin. Waterston collected Sawflies & Hoverflies about Invervar & the glen as high as 2,000 ft., but did not come up to the cliffs with us. His catch included a [illegible] of Cryptus [illegible], taken on Heracleum. Waterston also took an ich. on flowers of Narthecium at 1750 ft. in Allt [illegible] which comes to Tryphon incertus Brischke & fits description of the ♀ fairly well: cont. 32.

23rd July 53. A showery day, but considerable fine periods & some sun at times.

Went by 12 noon bus to Killin & returned by 5.30 bus to Lawers. Collected in three areas as follows:

1 = under the limes from 12-30 till 1.10 P.M. & again from 4.30 till 5.30 P.M.

2 = Between road & railway, & along roadside E. of the limes; chiefly Salix, Alder & Birch, with Carex vesicaria, ♂. 1.30 - 3.30 P.M.

3 = Marshy field & around the pond S. of the railway; but the Glyceria bed is dried & formerly [illegible] some good things completely eaten down by cattle. 3.30 - 4.30 P.M.

Killin, MP.

Insects taken at 1 [74 mounted including those found [illegible] [illegible] on arrival in Dublin from foot of page 176. These that are all labelled (MP: Killin ANS. 1/23.7.53) & [illegible] all came from here]

Dryinid ♂.

Phaeogenini gen. et sp.? 2♀♀, ant. 20 & 21 =

Cryptinidae, as 25, but only 9 [illegible] as follows –

Phygadeuon sp. [illegible] 3♀♀, ant. 18 & 19(?). [illegible] sp. [illegible] ♀ [illegible] ant. 19.

Hemiteles sp. [illegible] ♀, ant. 33. H. [illegible] ♂ ([illegible])

Atractodes sp. 2♂♂, ant. 21 & 22. Gen. et sp.? ♂, ant. 23
" " 2, ant. 19.

Lissonota clypeator Thom. ♀, ant. 31: very nice one!

23.7.53. MP, cont. Killin, MP, cont. (under limes)

[illegible] 3♀♀, [illegible] [illegible] [illegible] ?

[illegible] sp. [illegible] [illegible] ant. 27. [illegible] ([illegible]) [illegible] ♀ ant. 31

[illegible] ♀, ant. 18, also 3 ♂♂ [illegible] [illegible], ant. 21, 23 & broken.

[illegible] ♂ ant. 43. [illegible] ♀, ant. 42.

[illegible] sp. [illegible], ant. 30, 29 & 31, [illegible]

Perilitus ♀, ant. 30: of [illegible] of ♀♀ from [illegible] ([illegible]) =

[illegible] (sp. longicornis?) ♀, ant. 26, long [illegible] =

" (sp. ?) ♀, ant. 32 short [illegible] =

[illegible] ♀, ant. 26. [illegible] ♀, ant. 21.

Rogas sp. [illegible] [illegible] ant. 32. [illegible] spectabilis, [illegible] ♀.

Blacus [illegible] 3♀♀, ant. [illegible]. [illegible] 3♀♀, ant. 20; [illegible], ant. 21, [illegible]

Opius geniculatus ♀, ant. 41. O. sp. pygmaeus ♀, ant. 22.

O. [illegible] ♀ Type! [illegible] [illegible]

O. sp. [illegible] ♂ ant. [illegible]. Aspilota ([illegible]) [illegible] ♂ ant. 31.

A. [illegible] ♀, ant. 24, [illegible] type. A. [illegible] n. ♀ small & dark, ant. 21

A. [illegible] [illegible] ant. only ♀. A. sp. [illegible] ♂, ant. broken.

A. [illegible] 2♀♀, ant. 20 ([illegible]) [illegible]

A. [illegible] small ♀, ant. 17. [illegible] small, ant. 19.

A. [illegible] ♂ ant. 26. A. sp. [illegible] ♂ ant. 25: [illegible] ♀ above

A. [illegible] ♀, ant. 19. [illegible] Also a smaller ♀, ant. 17.

A. sp. [illegible] 2♀♀, large head, ant. 16 & 17. [illegible] [illegible]

A. sp. [illegible] or [illegible] ♂ ant. 19; [illegible] very [illegible]

A. (Synaldis) sp. 2♀♀, ant. 17 & 19.

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22-7-53 (1), cont. Killin, MP, cont.

[illegible] ♀, ent. 32. [illegible] ♀, ent. 37.

[illegible] of [illegible] ♀, ent. 26. [illegible] [illegible] ent. [illegible]

Aphelinus of [illegible] [illegible]

[illegible], but only 2 [illegible] ent. =

[illegible] only [illegible] ent. =

[illegible], [illegible] & [illegible] but only ent. =

Taken at 2. (Between road & railway!)

[illegible] ♂, ent. 30. [illegible] ♀, ent. 24.

[illegible] ♂ not ent'd. [illegible] [illegible] ♀ not ent'd

[illegible] 16 [illegible] ♂, ent. 17. [illegible] ♀ ent. 24.

[illegible] ♂, ent. 20. [illegible] [illegible] ent. 18.

[illegible] ♀ [illegible] [illegible] ♀♀ [illegible]

[illegible] 5 ♂♂ (ent. 22-23), 1 ♀ ent. 23. [illegible] ♀ ent. 18.

[illegible] Hyp. 2 ♀♀, ent. 24-25. [illegible] 1 ♂, 2 ♀♀ [illegible]

[illegible] ent. 34. [illegible] ♂ not ent'd, [illegible] ent. 22.

[illegible] 2 ♂♂ [illegible] (1) [illegible] yellow (1) all yellow [illegible]

[illegible] ♀, ent. 38) [illegible] ♀, ent. 17.

[illegible] [illegible]

[illegible] ♂, ent. 20. Chelonus ♀ small, ent. 16.

Microgaster globatus ♀, also ? 1 ♂, not ent'd. Apanteles [illegible] ♂ not ent'd.

[illegible] ♀ [illegible] ♀ ent. 19. Meteorus [illegible] ♀, ent. 32.

Blacus [illegible] 2 (♂♂) not ent'd. B. of humilis ♀, ent. 17.

B. maculipes 7 ♂♂ (ent. 20(6), 22(1)), 4 ♀♀ (ent. all 20). [illegible] ♀, ent. 34.

Opius [illegible] ♂, ent. 26. O. [illegible] ♂ ent. 24.

[illegible] ♀, ent. 34. [illegible] 3 ♂♂ [illegible]

[illegible] ♂, ent. 24. C. of [illegible] ♀, ent. 15. [illegible]

[illegible] ♀, ent. 20, also 7 ♂♂ [illegible] ent. 22(3), [illegible] & 25(1)

[illegible] 3 ♀♀, ent. 19. [illegible] 1 ♀, ent. 16, also 2 ♂♂, ent. 18 & 19. [illegible] ♀ ent. 18 [illegible]

[illegible] ♀, ent. 16. [illegible] [illegible]

[illegible] ♀, ent. 32. [illegible] ♂, ent. 27.

[illegible] ♂ ent. 15.

[illegible] 30 — none ent'd.

[illegible] 20 none ent'd.

Diptera not ent'd [illegible]

22.7.53, cont. Killin, MP, cont.

Taken at 3.

[illegible] ♂, ent. 24. [illegible] ♀ ♂, ent. 31, small dark.

[illegible] ♀ ♂, small, ent. 21. Phygadeuon ♀ ♀, ent. 18.

Microleptes splendidulus ♀, ent. 16. [illegible] elegans, a very dark ♂, ent. 20.

[illegible] ♀, ent. 27. [illegible] ♂, ent. 21 =

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible]

10 ♂♂, 2 ♀♀, Type series! {[illegible]} [illegible] 25(1), 26(?), 27(3), 28(?). ♀♀ 25 & 26.

S. affinis ♀, ent. 23.

Chelonus [illegible] ♀, small, ent. 22; [illegible] all ent'd!

Apanteles [illegible] ♀ Microgaster [illegible] ♀

Microgaster [illegible] ♀. Bracon of [illegible] ♂, ent. 30

[illegible] ♂ [illegible], ent. 43

Total 1 =

Also [illegible] & [illegible] not ent'd & [illegible] in paper packet. [illegible], [illegible], [illegible], &c.

[N.B. The box containing the insects collected [illegible] was posted home & arrived by error via Parcel instead of Letter Post & owing to the packet had broken loose & damage caused; also some [illegible] of all [illegible] one packet, that of Killin, (1) 22.7.53, had spilled but [illegible] [illegible] at least some [illegible] & then mounted & labelled "Killin, (1) 22.7.53" in August 1953. H.W.S.] [illegible] included in list of those taken at 1 on p. 173.

23rd July 1953. [illegible]

[illegible]

[illegible] 30th [illegible]
[illegible]
[illegible]
30th [illegible]
[illegible]
[illegible], Co. Dn., [illegible]
[illegible]
[illegible]
[illegible]
[illegible]

[illegible], Co. Dn.

Epitomia pygmaeus ♂.   [illegible] ♂
[illegible] 1   [illegible] longicauda ♂, ant. 38.
Homocidus [illegible] ♀   Promethes pulchellus ♂
Bracon sp. {atrator Nees =longicauda Thoms.? ♀♀, ant. 18 & 17.
Apanteles spurius ♀   Bracon [illegible] ♀
Aspilota dentifemur ♂, ant. 22. A. rubriceps ♀, ant 18.
A. prona, small ♂, ant. 32.
[illegible] similis, ant 31. 2 ♀♀.   Aphidius sp. 2
Proctos ☿ : Loxotropa minute brachypterous ♀!
Chalcids 2.
Cynipid 1.

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

[10 labelled on 2/3/1965 several damaged by greasy mould & a Psocid]

[illegible]
[illegible] hopei ♀, ant 25 : also partly eaten by Psocid (?)!
[illegible]
[illegible]
[illegible] praetor ♀
[illegible]
[illegible]
[illegible] ♂, ant. 26 : major has entirely rugose propodeum! Ant. {[illegible], these may be a large, but prop. smooth at base}
[illegible] 7 : 6 only mtd = A. albescipes 2 ♂♂, ant. 24 & 25 : the former damaged by Psocid!
A. prona 2 ♀♀, ant. both 20.   A. dentifemur ♀, ant. 20.

[illegible]
[illegible]
[illegible] only one mtd. which I think is near to [illegible] =

179

[illegible]

[illegible]

[illegible] DD [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] DD. [15 labelled on 1/3/1965.

Sawfly [illegible] = Selandria cinereipes ♀

[[illegible] sp. near gracilis, but shorter ant. segments} [illegible]]

[illegible] ant. 21 = Phygadeuon? sp. ♂ ant. 25.

[illegible] paludicola ♀, ant. 47: in river channel! Var. with red markings, black face, AWS.

[illegible] = {Diodes cf. melanius ♂. ant. 24. Stenomacrus [illegible] ♂, ant. 26} {Idechtis sp. ♀, ant 27.

[illegible] ♂ Microplitis mediana, a highly coloured ♂.

[illegible] ♂, ant. 52.

[illegible]; not ntd.

[illegible] sp. ♂; not ntd.

[illegible] prona, 2 ♀ ♀, ant. 22 & 23.

[illegible] = Pantoclis sp. ♀.

[illegible]

Hemiptera [illegible] =

180

[illegible]

[illegible] F [illegible] Dublin [illegible]

[illegible] 15 [illegible]

[illegible]

[illegible] Grand Canal [illegible]

[illegible] (2 miles) = 1, [illegible]

[illegible]

[illegible] = 2.

[illegible]

[illegible] bog [illegible] N [illegible] patch

[illegible] Rhynchospora fusca (which H. E. Green [illegible]

failed to find in 1940) [illegible]

[illegible]

[illegible] Rhynchospora alba

& Drosera anglica [illegible] the bog [illegible]

[illegible] turf [illegible]

[illegible]

turf [illegible]

[illegible] of [illegible]

2-8-53, ent. [illegible], [illegible] D., [illegible].
Taken at 2 (and 1 ♂) [illegible] [illegible]) [14 labelled on 1/3/65,
[illegible] ♀ [illegible])
Sa[illegible] ♀ = Selandria morio ♀ &.
[illegible] ♂ [illegible]
[illegible] ♀ =
Cryptinae 13, [illegible] 3♀♀
Pezomachus sp. ♂, ant. 23. Pez. instabilis ♀, ant. 20

[illegible] cf. detrita (form of) ♀, ant. 22. Glypta "nigricornis var." large ♀, ant. 38
Chorinaeus funebris 2 (♀♀?), mtd. on one card! Ant. 26 & 27.
Stenomacrus cf. brevis m. 2♀♀, ant. 22 & 23.
[illegible] Scopesus bicolor ♂, ant. 44.
[illegible] ♀
[illegible] rufipes ♀, ant. 32.
Apanteles [illegible] 3♀♀. Opius nanus m. ♂, ant. 24.
[illegible] ♀. Aspilota ♂.
[illegible] elegantula 1 Pison ♂
Aphidius ♂
Procto 6.
Chalcid 1 Cynipid 1
Hemiptera

2-8-53, ent. [illegible] [illegible].
Taken at 3 ([illegible]) [12 labelled 27/2/1965.
[illegible] 3♀♀ [illegible]
S. Hemiteles sp. ♀, ant. 24.
[illegible]
Myriarthrus lineator ♀, ant. 37, in spite of its compressed abdomen } [illegible] [illegible], is not compressed! A.W.S.
Perilissus lutescens ♂, ant. 34: var. with areolet open!
[illegible]
[illegible]
[illegible]
[illegible]
Opius nanus m. ♀, ant. 23.
[illegible] not mtd. [illegible] not mtd.
[illegible] very large terminal ♀, ant. 27. } [illegible] Labida large ♀, ant. 22.
[illegible] = {a. [illegible] 1♀, ant. 15 small size. 3 & 4 very short & ± equal. / a. furcicornis, small ♀, ant. 16. a. cf. imitator, ♀, ant. 15.
[illegible] tenuis, ♂, ant. 32. [illegible] ♂: not mtd.
[illegible] sp. ♀: none mtd.

[illegible]

[illegible]
[illegible] Beris — ♂ + ♀.

[illegible] = Limnophila septentrionalis
Taken at 3. Leptothorax acervorum ♀ } [illegible]
+ 1 Pezomachus sp. ♀, ant 20 {like instabilis [illegible] with short 3rd [illegible] } K.D.

6th August 1953. A very hot humid day. In afternoon drove to [illegible] (Daisy, J & Cor. Williams) & walked up to Shepherdstown Hill in Co. KD. Found to our [illegible] a plantation at c. 1500 ft. [illegible] on the D side of [illegible] [illegible] after the [illegible] days.

Only a few insects caught as follows:—

Plantation SE of Shepherdstown Hill, Co. KD

Cratichneumon sp. fabricator ♂   Rhogas [illegible] ♀

Ichneumonid 3 = Phygadeuon sp. ♀, ant. 19.   Pezomachus sp. ♀, small, ant. 19.

Eustorynx divulgare ♂, ant 19.   Ophion sp. luteus, small ♀ (pinned!)

Pimpla [illegible] ♀.   Mesoleius temporalis? ♀, ant. 43.

Ce. piplogid very small = Diodes? sp. ant. 25.   Sawfly = Ametastigia equiseti ♂

Apanteles [illegible] ♀.   Crabro vagus, small ♀.

Proctos. 3.   The wasp [illegible]

Dipteron = Conops quadrifasciata?

7th August 1953. Hazy, with [illegible] [illegible] [illegible] & [illegible] [illegible] [illegible]

Left home at about 11.15 AM (Daisy, J & Cor. Williams) & drove to Wicklow Station on The Murrough, Co. Wi. [illegible] walked N to the Breaches & [illegible] S to [illegible] Point. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the Breaches [illegible] [illegible] [illegible] [illegible]. Left [illegible] at [illegible] & home at 6.45, [illegible] [illegible] [illegible] 27½ years old.

7.8.53. cont. The Murrough, N & S of Wicklow St. Co. Wi.

Sawflies: [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] ♂ & ♀ [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

Chalcid [illegible] [illegible] [illegible] ♂

Apanteles [illegible] 4 (♂ & ♀) & [illegible] spp.

Ampulex? [illegible] ♀ [illegible] Dacnusa [illegible]? 3

Dacnusa fasciata [illegible] ♀, beautiful specimen, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Procto. 3.

Chalcid ?

Cynipid ? =

Diptera ?   Oxytelus uliginosus 1♂, 1♀

Hemiptera: [illegible] =

Moth: ~~Small~~ Least Broad-bordered Yellow Underwing! = T. interjecta, I think! AWS.

Grasshopper: Chorthippus brunneus [illegible]

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9th Aug [illegible]
[illegible] fine evening.
Left [illegible] Holdenstown
Bog, 3 [illegible] 5 [illegible] Co. Wi. Stayed
there from 11.30 till after lunch, then [illegible]
[illegible]) & back through Rath-
-villy [illegible]
[illegible]
[illegible]
[illegible]
Left [illegible] at 8.30 P.M.

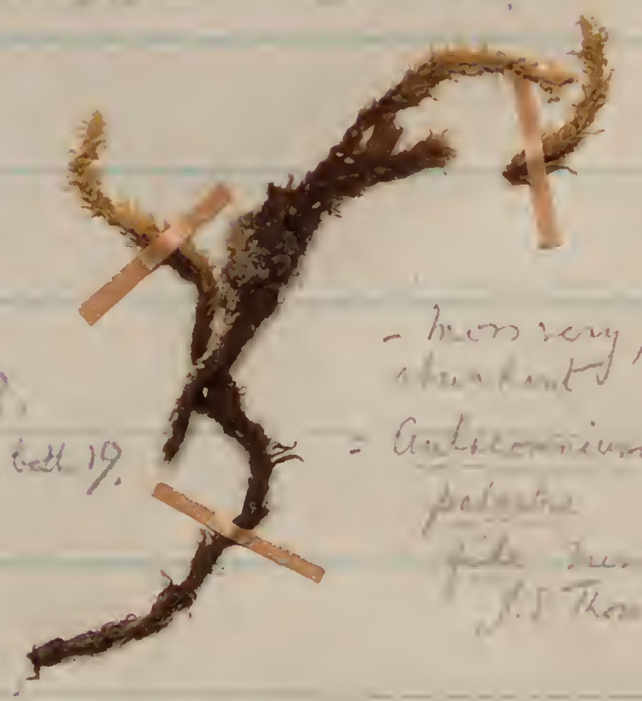
(= 1) Holdenstown Bog, Co. Wi. 11.30 – 2.0 P.M. [43 labelled 12/2/1965]

[illegible] 2 = Colpognathus divisus ♀, ant. 23.

& Platylabus small ♂, ant. 31 (possibly iridipennis).

[illegible] 6 = Microcryptus graminicola ♀, ant. 28.

Hemiteles capreolus Th.?: ♀, ant. 26. Pezomachus 2 small, blackish ♀♀, ant. both 19.
Pezomachus? ♂, all black, matt, red-banded abdomen; ant. 22.
Phygadeuon? ♂, red abdomen; ant. 24.


– moss very abundant! = Aulacomnium palustre fide Mr. J. S. Thomson!

Pimpla [illegible] ♀ (= arundinator), ant. 24.
[illegible] nigrotrochanterata ♀ or [illegible], ant. 32.
[illegible] ♂, ant. 20.

– Vaccinium oxycoccus with fungus on leaves

[illegible] = Thersilochus triangularis, ant 20, 20, 20 & 21: these 4 ♀♀ straight 3rd abscissa of radius, while most examples in my series have this curved! AWS.
[illegible] 2 = Omorga solitaria Brischke??: ♀, ant. 36, mandible black.
Syndipnus lateralis (♂?), ant. 39. & Idechthis? sp. ♀, ant. 25
Henicospilus ramidulus ♂, ant. 57.

9.8.53 (2). [illegible] Holdenstown Bog, Wicklow [illegible]

Bracon pictipes mihi: a nice ♀, ant. 26. B. cf. tenellus mihi: dark ♀ (?), ant. 27, or possibly [illegible], with [illegible] 2.
B. osculator, 2 ♂♂, ant. 24 & 26.
Rogas gasterator? ♂, ant. 51.
[illegible] ruficeps?, ♂, ant. 33: [illegible] 1962
[illegible] pedator Dahl.?, ant. 23.
Sigalphus caudatus ♀, ant. 20. Acoelius subfasciatus ♂
[illegible] ♀ not mtd. [illegible] ♂: not mtd.
A. sp near impurus? ♀. A. obscurus 2 ♀♀, also 1 ♂.

[illegible] ♂, ant. 18. [illegible])-[illegible]icornis? ♀ ant. 18

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
} none mtd.

9.8.53 [illegible] N. of [illegible] Wi. [illegible]
[The one, [illegible], labelled 16.2.65!]
[illegible]
[illegible] ♀ [illegible] ♂ [illegible]
[illegible] ♂. [illegible] n. sp. Sligo ♂, ant. 38.
[illegible]
[illegible]
[illegible]

[illegible] [8 labelled on 16.2.1965.

[illegible] = Plectiscus tenuicornis? ♀, ant. 17. Schizoloma amicta ♀

[illegible] ruficornis, small ♂, with rather small wings; ant. 21.

[illegible] = O. brevitarsis m. 2♂♂, ant. both 21.

& O. stenops m. ♂, ant. 24.

Dacnusa 2♂♂ = D. elegantula, ant. 32. D. tesmia? small, red legs, ant. 30

27th Aug. 1953 [illegible]

[illegible] 11: none mtd. but this probably included Eusterinx, which are on opp. page → [40 labelled 16.2.1965.

Scopesus macropus?? ♂, ant. 31.

Ctenisc[us] ♂, which I run to connatus = a var. of flavilabris fide Roman.

= Olesicampe? ant. 37

5 = Dialipsis?? 2♀♀, ant. both 21; agree with crassipes identified by J.F. Perkins!

Eusterinx oligomera?, 2♂♂, ant. both 16.

Proclitus comes Hal. ♀, ant. 22.

✓ ♀, small, ant. 37.

2♂♂ not mtd.] A. falcata ✓ ♀

trivialis; 1♂, ant. 19.; 1♀, ant. 17.

Opius 3 = O. exilis? a very robust ♀, reddish-br. stout legs, ant. 25; O. stenops ♂, ant. 23.

& O. femoralis m. ♂, ant. 27.

Aspilota crassifemur 1♂, 1♀, ant. both 25. A. near minutissima, 2 small ♀♀, ant. both 18.

Asp. spp. near scinrella, 4♀♀ of 2 spp.?: one with longer A & one with shorter B antennae, ant. 20 & 21, ant. both 20, respectively!

Asp. cf. umbricornis ♀, ant. 23. A. cf. pruna group: 4♀♀, ant. 20, 20, 22, 22.

Asp. rubripes ♀, ant. 15. A. cf. imitator ♀, ant (16?).

Orthostigma ♂ = O. midicola m?, but ant. 25; stigma short & abruptly terminated!

Braconidae 20: mtd. {Aneurobracon 2♂♂ of sp. 8. Spilomicrus ♀ of sp 10.

[illegible] 6: 1 mtd. Mymarid? with ant.

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12.8.53 contd. Ballinascorney Ho., Dub. contd.

When sweeping in the plantation, many minute, doubly discs of a very brown colour & the shape ⌒ were found in the net. These appeared to consist of the upper & lower [illegible] of a leaf — the two stuck together and inside a small larva was found in each one [illegible], with perfect head [illegible] & like a [illegible] larva. They looked as if they were the discs cut out of a leaf by a leaf-miner, but were mostly swept under Scots Pine, though a few under sycamore & birch were also present. A few put into the [illegible] with the [illegible] larvae. A W S 13.8.1953

Still alive & walking about — 1st week of Oct 53. A.W.S.

[illegible] 22.5.1954

15th August 1953. A very nice day of cloud & sun with westerly wind, after a wet day [illegible] – 11

Left home [illegible] at 9 a.m. [illegible] who joined him Smyth of Bournemouth) & drove to Newcastle station on The Murrough, Co. Wicklow.

Left for home about 4.30 & home at 5.30 p.m.

Stations N & S of Newcastle but as ground was wet [illegible] wind was dry & so sweeping possible all day but wind strong in open [illegible] & along coast.

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15.8.53 contd. The Murrough, Co. Wicklow contd.

Swept for an hour before lunch (very dense & mossy dry) parallel to & inside railway, & [illegible] or leaf litter, rushes, [illegible] 11.30–12.30 PM = 1.

After lunch again swept the short rough dry meadow W. of same & along water-filled drain in edge of dry reed bed for two hours. 2.30–4.30 PM = 2.

The Murrough, S of Newcastle station. W1.

[22 labelled but not put away till 11/12/1968.

Taken at 1 (before lunch).

[illegible] 2♂♂ [illegible]

[illegible] = [illegible] small black ♂, ant. 20. [illegible] small black, black [illegible] ♀, ant. 18.

Leptocryptus cf. geniculosus Thom. ♀, ant. 25. Pezomachus [illegible] "black, [illegible]": ♀ ant. 19.

[illegible]

Stenomacrus [illegible] ♀, ant. 21

St. cf. atratus ♂, ant. 25.

St. palustris ♂, ant. 26.

Polyblastus sphaerocephalus ♀ ant. 28.

[illegible] ♂♂ & ♀♀ [illegible]

[illegible] small ♂ [illegible] ♂, ant. 22.

[illegible] & 9 others (♂ & ♀) of [illegible] none mounted

Chelonus intermedius ?

Aspilota [illegible] ♀ ✓ A. near impurus? ♀

Orgilus small ♂, ant. 29: tergites 1 & 2 matt to apex!

Meteorus unicolor W. ♀, ant. 22

Dinotrema [illegible] ♂

Microctonus [illegible] = {M. collaris ♂, ant. 35, M. inferus ♂, ant. 37.

(1)

18. 8. 53½, cont. [illegible] W1, cont.

[illegible] cf. nitida Th., large ♂, ant. [illegible], with notauli meeting at posterior end of the dimple \| thus, while some specimens have the meeting like Y this!

[illegible] ♂

[illegible] ♀ D. (G.) sinnifa? ♂, ant. 26.

[illegible] Hal.?; ♀, ant. 17/18

[illegible] 1

[illegible]

[illegible] ♂ ([illegible])

Dragonfly =

[illegible]

[illegible] villosulus K ♂ [illegible]

[illegible] ♂ & ♀.

[illegible] ♂

[illegible] 25 - [illegible] ♂ [illegible]

[illegible] ant. 27-28 & 31.

[illegible] ♀, ant. 18 [illegible]

[illegible]? ♀, [illegible] ant. 18 [illegible] ♂, ant. 27

[illegible] ♂, ant. 26 =

[illegible] ♂, [illegible] Sychnoleter geniculatus ♂, ant. 46.

[illegible]

[illegible] of [illegible]

[illegible]

(2)

18. 8. 53½, cont. [illegible] W1, cont.

Bracon [illegible] 4♂ 1♀. B. [illegible] ♀ [illegible]

[illegible] = B. [illegible] ♀, ant. 28; B. [illegible] ♂ ant. 25.

B. ~~[illegible]~~ rugosulus with 1♂ 1♀, ant. 24 & 25, agrees well with type!

B. [illegible] ♀, [illegible] ant. 22; [illegible]

[illegible] ♂ ant. 24; ♀ ant. 24, [illegible]

[illegible] Hal. ♀ [illegible]

[illegible] Hal. ♂ [illegible]

[illegible] ♀, [illegible]

[illegible] ♀. [illegible]

[illegible] ♀ [illegible]

[illegible] ♂ [illegible]

[illegible]

D. (G.) [illegible] 1♂ 2♀ [illegible]

[illegible]

[illegible] (G.) [illegible]

[illegible] (G.) [illegible]

D. (G.) [illegible]

[illegible]

[illegible] (♂ ant. 21/22), 2♀ (ant. both 16).

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18 8 53 (?), cool. [illegible], [illegible], wet

[illegible] 3

Elaterids 13

Hemiptera 4

Beetles [illegible] for H.W. Bailey (?) [illegible]

Earwigs: 2 very large [illegible] : normal [illegible]

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N B.—CHANGE OF ADDRESS

Dr. Max Fischer

Achmore, L. Tay. 31.5.47. Homocidus [illegible] ♀
Aspilota [illegible] ♂. Euphorus pallidistigma

Lawers (fields, shore & lane) 2.6.47 (afternoon).
B. lucorum, agrorum. Dolerus gonager, nigratus? niger
"T. arcuatus". All. tener? ♂. Mon. pallescens. Rhogo. fulvipes ♂
Tom. lut. Hop. crataegi. Pachy. clitellata. Pt. sp. ♀
Prist. denudata. Cratocryptus? ♂, yellow spot on clypeus.
Phygadeuon spp. 2 ♂♂. Stenomacrus curvicaudatus ♂ & ♀.
Bracon cf. lipiluga m. 5 ♂♂. B. sp. ♂ nov? transverse head
Opius caesus Hal.? ♂, dark legs. O. levis W.? ♂
Ph. compunctor ♂. Asp. cf. minutissima? ♂. O. cf. [illegible] ♂
Dacnusa longiradialis ♂ maculipes ♂♀ areolaris? ♂♂
confinis 2 ♀♀. laeta? ♂ gilvipes ♀ metula ♂ {like temula but with sternauli
cf. arista ♂ rivella? 2 ♂♂. cf. merion? ♂
sp. nov near postica ♀. Coelinius diversipes m.? large ♂
Praon volucre (the only aphid seen!)
Proctos 7. Chalcids 6. Coleoptera 15.

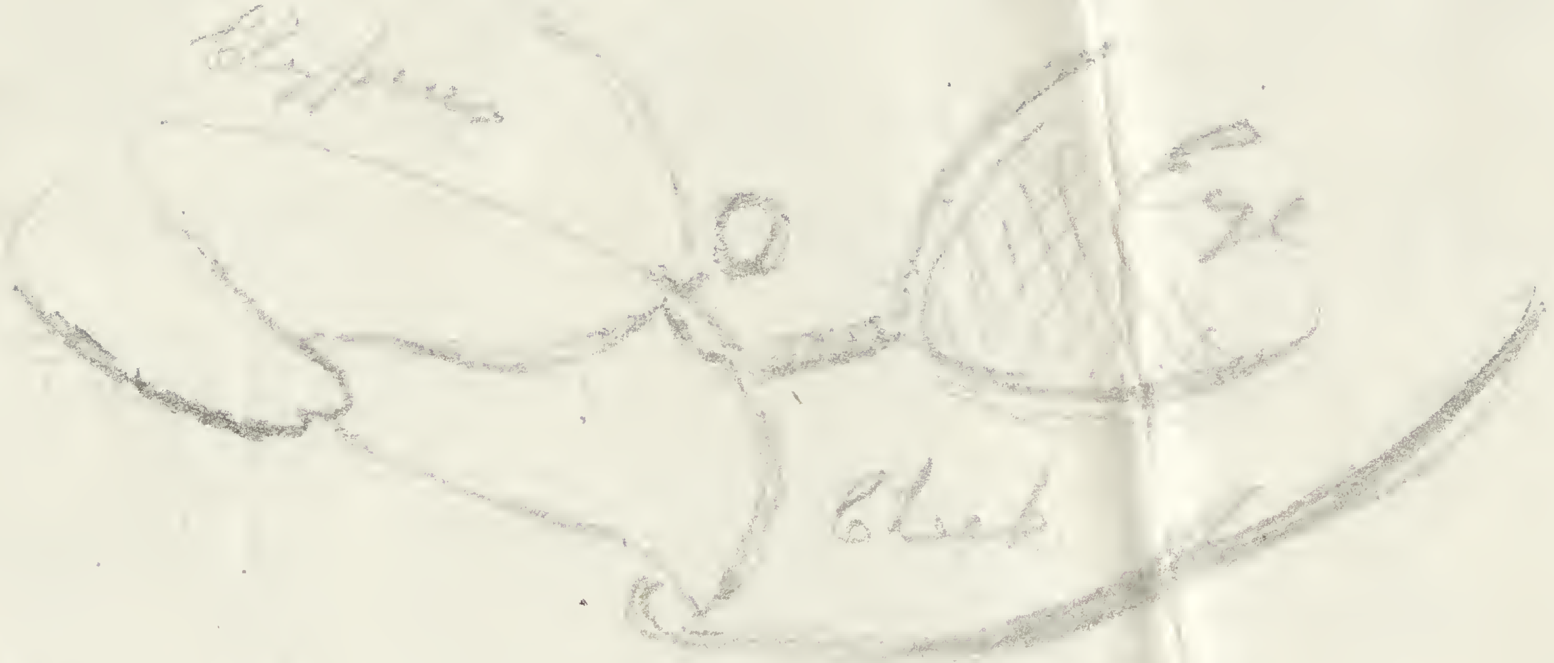
Finlarig 29 & 30.5.47. Trichistus pallidipes? ♂
Bracon scutellator 4. Earinus ochropus? ♂.
Asp. nigricornis. A. (Syn.) concolor? 2 ♂♂ + 1 large ♂
"Beetle". Eros aurora!
Ichneumon bucculentus ♀. Pimpla alternans var
Bracon sp. ♂

There will be a General Meeting of the Royal Irish Academy at the Academy House, 19 Dawson Street, Dublin, on **Monday,** 25th of February, 1952, at a **Quarter past Four** o'clock p.m., for the transaction of General Business.

J. L. Synge, Sc.D.,
Secretary.

PAPER TO BE READ

Seán P. Ó Ríordáin and Ruaidhri De Valera :—


Clypeus
Eye
Cheek

? Opius *tiliae* mihi

Mandible, &c
of ♀ *Opius* from Killin, M. Perth.
(1) 22.7.1952.

Statement of Dividend with Certificate of the Amount deducted on account of Income Tax

SAORSTÁT ÉIREANN £4-10-0 Per Cent. LAND BONDS

HALF YEAR'S DIVIDEND DUE 1st January, 1952 *No.* 784

PAYEE

LB.8801
MRS. MARGARITA DAWSON STELFOX,
14, CLAREVILLE ROAD,
RATHGAR,
DUBLIN.

FOR A/C OF

LB.8801

A/C SELF.

54

Warrant No.	Capital	Gross Dividend	Less Income Tax @ 6/6 per £	Nett Dividend
784.	150.	3. 7.6	1. 1.11	2. 5.7 *

I hereby certify that Eire Income Tax at the appropriate Rate deducted from this dividend will be paid to the proper Officer for the receipt of Taxes.

S. T. TAYLOR, *Managing Director*
National City Bank Limited
10 College Green, Dublin

N B.—CHANGE OF ADDRESS should be notified to Transfer Officer immediately.

1 large Cimbex & 1 green
nematine larvae off
birch Ballinascorney
Ho, DU. 12.8.53

ointed Day £6,933,558
out of the balance of
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5. As soon as

Railway Company sh

£1,552,471 (hereinafte

of the then balance of

allocation shall be divis

as follows :—

Five Hymenoptera collected off Oak at Lawers, mid Perth, by A. R. Waterston (R.S. Museum, Edin.) on 20th July 1953.

Mesochorus black thorax ♀, ant. 32.

M. sp. ♂, ant. 35, thorax ventrally red.

Plectiscus sp. ♀, ant. 19.

Stenomacrus ♂, ant. broken, runs to minutus ♂ unknown!

Phaenocarpa ruficeps small dark ♀ ant. 27.

Naturhistorisches Museum
Zoologische Abteilung
Wien I, Burgring 7

Pr. Nr. 600/62-Z

Wien, am 16. IV. 1962

Herrn A.W. Stelfox
21 Tullybrannigan Rd.
Newcastle, Co.Down - N. Ireland

Sehr geehrter Herr Stelfox!

Besten Dank für Ihren Brief vom 30. III. 1962 und die Sendung mit einem Weibchen von Meteorus jaculator Hal.

Ich sende Ihnen heute alle Meteorus-Arten zurück, die Ihnen gehören. Grüßen Sie auch Herrn Dr. Graham von mir, wenn Sie ihn sehen. Im letzten Sommer schien sich zwischen ihm und mir ein~~e~~ Briefwechsel anzubahnen, der dann allerdings jäh abgerissen ist. Ich bekam einfach keine Antwort mehr.

Bei uns ist seit zwei Tagen wieder die Sonne zu sehen. Es wird also doch Frühling und ich werde wieder entomologische Exkursionen machen.

Mit vielen Grüßen und besten Erfolgswünschen bin ich wie immer
Ihr ergebener

Dr Max Fischer

Dr. Max Fischer

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18. 8. 53 (?), cal. Overcast, W1, cal.
Robin 5

Blackcap 13

[illegible] 4.

Beetles. Some [illegible] for H.W. Bailey (2) 1 Staph.
Evening: 3 very large F.P. – normal [illegible] seen.